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*1947 Garden Guide*

137 West Colorado Street  
PASADENA 1, CALIFORNIA

**CAMPBELL**  
**SEED STORE**

# ORCHID PLANTS

This is only a partial list of varieties we will have for sale this coming year. Many are scarce and some very rare kinds are sometimes available. We invite your inquiry for those varieties not listed.



*Cymbidium or Spray Orchid*

*Campbell's*

## CATTLEYA ORCHIDS

Growing these Aristocrats of the Flower World is becoming an American hobby. The extravagant beauty of these exotic blooms is a never ending source of admiration. Cattleyas are easily grown in pots in sunrooms and glass houses. Our collection includes only fine hybrids in charming colors and forms. Cattleyas can be offered for sale only locally. We invite our Southern California friends to see our Orchids for gorgeous specimens they will wish to add to their collections. Prices begin at \$15.00.



*Cattleya Orchid*

*Campbell's*

## CYMBIDIUM ORCHIDS

These are spectacular, large flowered, spray Orchids which are easily grown in pots or shaded beds in Southern California gardens, or as hot house plants elsewhere. They make clumps of grassy foliage 2 to 4 feet high, and in winter and spring carry great sprays, from 1 to 3 feet long, of most beautiful Orchids in tones of pink, lavender, yellow, cream, bronze, chartreuse and delicate green. The colors of hybrids are variable, and even in the same variety, as listed below, there will be a rather wide range of color. We cannot guarantee a specific shade, but they will all be beautiful.

We offer the very finest hybrids, true collector's items, including the rare and beautiful crosses of:

Alexander Westenbirt F.C.C.  
Pauwelsi-Comte de Hemptine F.C.C.  
Ceres-F.C. Hanbury F.C.C.

Plants are available in various sizes and prices. Growing back bulbs of the choicer crosses beginning at \$15.00.

The following Standard Cymbidium Hybrids, of the best quality, are strong growers and reliable bloomers. We can supply plants of varying sizes and prices. Back Bulbs with sturdy vegetative growth are priced at \$5.00.

**BEATRICE.** Shimmering pale yellow-green English hybrid. Blooms mid-season to late.

**BUTTERFLY.** Usually comes in shades of yellow or bronze, occasionally a pink tone appears. (Insigne x Lowio-grandiflorum.) Mid-season to late.

**CANARY.** Varies from clear yellow to buff, with a striking red lip. (Pauwelsi x Butterfly.) Mid-season.

**CAPELLA.** Cream to rose pink, large with many flowers to the spray. (Pauwelsi x Wigianum.) Mid-season.

**HUGH EVANS.** Usually greenish gold with bright red lip. Very free flowering and lovely. (Lowianum x Curlew.) Mid-season to late.

**MADELINE.** Quite variable in color, from yellow to lavender pink. (Insigne x Pauwelsi.) Mid-season.

**PAUWELSI.** Light creamy yellow to rich bronze. A very strong grower with exceptionally long bloom spikes. Mid-season.

**PETREL.** Gleaming golden yellow. (Garnet x Pauwelsi.) Late.

**SCHLEGELI.** Usually in pink tones. (Insigne x Wigianum.) Early.

**OSMUNDINE FIBRE.** For planting Cattleya orchids. Pack carefully and tightly around the roots. No soil required. Per lb. \$1.00. Postpaid.

# NEW FLOWERS FOR YOUR '47 GARDEN

## ALL DOUBLE PETUNIA

**Mrs. Dwight D. Eisenhower.** '47 All-America Silver Medal Winner. Large, uniformly double flowers of a soft mid-salmon are freely produced on dwarf, bushy plants about 16 inches in height and 30 inches in spread. The beautiful blooms are about 2¾ inches across, very effective for bedding, borders, pots or cutting. Pkts. \$1.00.

## ALL DOUBLE PETUNIA

**Rose Marie.** '47 All-America Bronze Medal Winner. The blossoms of this new Petunia are a delightful rose-pink shade, 3 inches and more across. The plants are about 18 inches tall spreading 30 inches. A splendid thing for bedding and cutting. (Color picture on page 19.) Pkts. \$1.00.

## ANTIRRHINUM

**Velvet Giant.** '47 All-America Bronze Medal Winner. An outstanding "Tetra" variety. The large flowers are crimson with a velvety texture which adds richness. The plants are tall growing, base branching, about 2½ feet in height. Six to 12 spikes are usually produced by each plant, making Velvet Giant very effective for garden display and for cutting. (Illustrated in color on page 19.) Pkt. 35c.

## MARIGOLD

**Naughty Marietta.** '47 Honorable Mention, All-America Selections. A new large flowered dwarf single French Marigold with gleaming yellow blooms, attractively shaded with mahogany at the base of the petals. When in full bloom the dwarf compact plants are literally covered with the 2-inch golden blooms making an extremely bright showing for garden borders. Pkts. 25c.

## DELPHINIUM chinensis

**Blue Mirror.** Per. A new spurless type with wide open flowers of clear, bright royal blue turned upward as though mirroring the sky. This habit of growth makes it especially attractive for low borders or cutting. The 12- to 15-inch plant blooms the first year from seed and throughout a long season. Pkt. 25c.

## CLIMBING PANSY

This very attractive Pansy was first a florist development for length of stem and abundance of flowers. It is now becoming popular for growing on trellises in garden, sunroom, or glass house. It may also be allowed to trail gracefully from pots, hanging baskets, and window-boxes. The Climbing Pansy now has a wide and beautiful color range. Pkt. 50c.

## SALVIA, Pink, White, and Lilac

**Salvia Welwyn** is the most unusual flower introduction in years. It was developed on a Long Island estate, "Welwyn", and presents colors unheard of in the Salvia splendens group. It comes in clear salmon-pink, pure glistening white, and true lilac, welcome in any garden scheme. Pkt. 50c.



*Spurless  
Delphinium  
Chinensis  
Dwarf*



*Climbing  
Pansy*



*Salvia  
Welwyn*



*Marigold, Naughty Marietta*



*All Double Petunia, Mrs. Dwight D. Eisenhower*

# CAMPBELL'S SIMPLIFIED PLANTING CHART for Flowers

NAME	Sow	Where	Bloom	Height	NAME	Sow	Where	Bloom	Height
<b>Acroclium</b>	Nov.-March	Open	April-July	1½ ft.	<b>Helianthus</b>	Dec.-April	Flat	Summer	4-10 ft.
<b>Agathe</b>	March-Aug.	Flat	All Year	1½ ft.	<b>Helichrysum</b>	Oct.-May	F-O	April-Sept.	3 ft.
<b>Ageratum</b>	Feb.-Aug.	Flat	June-Oct.	½-2 ft.	<b>Heliotrope</b>	Feb.-May	Flat	June-Nov.	3 ft.
<b>Agrostemma</b>	March-Sept.	Flat	June-July	2 ft.	<b>Heuchera</b>	July-March	Flat	May-Aug.	1½ ft.
<b>Alyssum Sweet</b>	Anytime	Open	All Year	6 in.	<b>Hollyhock</b>	Feb.-Aug.	F-O	June-Sept.	5 ft.
<b>Amaranthus</b>	March-June	F-O	Summer	3-4 ft.	<b>Hunemannia</b>	Nov.-April	F-O	June-Sept.	2 ft.
<b>Alyssum</b>	March-June	Flat	April-May	10 in.					
<b>Anagallis</b>	March-June	Open	May-Aug.	8 in.	<b>Iberis</b>			Feb.-June	1 ft.
<b>Anchusa</b>	March-July	F-O	Summer	2 ft.	<b>Impatiens</b>	March-June	Flat	June-Oct.	1½ ft.
<b>Anemone</b>	July-Nov.	F-O	March-April	8 in.	<b>Kochia</b>	Jan.-June	Open	Foliage	2-3 ft.
<b>Antirrhinum</b>	July-Feb.	Flat	Jan.-July	½-4 ft.					
<b>Aquilegia</b>	April-Aug.	Flat	May-July	3 ft.	<b>Lantana</b>	Jan.-April	Flat	May-Nov.	1-5 ft.
<b>Arabis</b>	Anytime	Flat	Feb.-April	8 in.	<b>Lathyrus</b>	Nov.-May	Open	June-Aug.	
<b>Arctotis</b>	Anytime	Flat	All Year	1½ ft.	<b>Larkspur</b>	Sept.-March	Open	April-July	3-5 ft.
<b>Aster</b>	Feb.-June	Flat	July-Sept.	2½ ft.	<b>Lavender</b>	Oct.-March	Flat	April-June	2 ft.
<b>Aster, Per</b>	Feb.-June	Flat	Sept.-Nov.	2 ft.	<b>Leptosyne</b>	Sept.-Apr.	Open	April-Sept.	1½ ft.
<b>Aubretia</b>	Jan.-May	Flat	Feb.-April	6 in.	<b>Linaria</b>	Sept.-May	Open	Jan.-Aug.	15 in.
					<b>Linum rubrum</b>	Anytime	Open	All Year	2 ft.
<b>Balsam</b>	March-May	F-O	June-Sept.	1½ ft.	<b>Lobelia</b>	Jan.-May	Flat	May-Nov.	4 in.
<b>Bartonia</b>	Nov.-April	Open	March-July	2 ft.	<b>Lupinus</b>	Dec.-April	Open	March-July	1-3 ft.
<b>Begonia</b>	Jan.-May	Glass	All Year	6 in.					
<b>Bellis</b>	Oct.-April	Flat	Feb.-Aug.	6 in.	<b>Marigold</b>	Jan.-July	Flat	July-Nov.	1-3 ft.
<b>Brachycome</b>	Nov.-April	Open	March-July	10 in.	<b>Matricaria</b>	Dec.-April	Flat	June-Nov.	1-2 ft.
<b>Browallia</b>	Sept.-March	Open	Jan.-June	1 ft.	<b>Matthiola</b>	Jan.-July	Open	June-Sept.	2 ft.
					<b>Mignonette</b>	Anytime	Open	All Year	1 ft.
<b>Calceolaria</b>	Aug.-Dec.	Glass	Jan.-May	1 ft.	<b>Mimulus</b>	March-June	Flat	May-Aug.	10 in.
<b>Calendula</b>	July-March	Flat	Dec.-June	2 ft.	<b>Mina lobata</b>	Feb.-May	Open	Aug.-Nov.	
<b>Campanula</b>	April-July	Flat	May-July	3 ft.	<b>Morning Glory</b>	March-June	Open	June-Nov.	
<b>Calliopsis</b>	March-July	Open	June-Oct.	1-3 ft.	<b>Myosotis</b>	Aug.-Oct.	F-O	Feb.-June	1 ft.
<b>Candytuft</b>	Nov.-May	Open	March-Aug.	1 ft.					
<b>Carnation</b>	Oct.-April	Flat	May-Oct.	1½ ft.	<b>Nasturtium</b>	Anytime	Open	Jan.-Aug.	10 in.
<b>Celosia</b>	March-May	Flat	July-Oct.	1-2 ft.	<b>Nemesia</b>	Oct.-April	F-O	Feb.-June	1 ft.
<b>Centaurea</b>	Nov.-May	F-O	March-Aug.	1-3 ft.	<b>Nemophila</b>	Oct.-May	Open	Jan.-Aug.	10 in.
<b>Cheiranthus</b>	Sept.-March	F-O	March-Aug.	1 ft.	<b>Nicotiana</b>	Oct.-June	Open	Feb.-June	1 ft.
<b>Chrysanthemum</b>	Feb.-May	Flat	Sept.-Dec.	3 ft.	<b>Nierembergia</b>	Jan.-April	Flat	March-June	6 in.
<b>Cineraria</b>	June-Oct.	Flat	Feb.-June	1-3 ft.					
<b>Clarkia</b>	Nov.-April	Open	April-July	2 ft.	<b>Pansy</b>	July-Dec.	Flat	Oct.-July	6 in.
<b>Cleome</b>	Feb.-May	Open	June-Oct.	4 ft.	<b>Penstemon</b>	Aug.-Nov.	Flat	March-Nov.	2 ft.
<b>Coboea</b>	Feb.-May	Open	July-Aug.		<b>Petunia</b>	Jan.-July	Flat	Mar.-Nov.	6-30 in.
<b>Coleus</b>	Feb.-May	Glass	Foliage	1-2 ft.	<b>Phacelia</b>	Nov.-April	Open	March-July	1-2 ft.
<b>Collinsia</b>	Nov.-April	Open	March-June	15 in.	<b>Phlox Drummond</b>	Jan.-July	F-O	April-Nov.	1 ft.
<b>Cosmos</b>	March-July	Open	June-Oct.	3-5 ft.	<b>Poppy, Iceland</b>	Aug.-March	F-O	Jan.-July	1½ ft.
<b>Coreopsis</b>	Nov.-March	Flat	May-Aug.	3 ft.	<b>Poppy, Shirley</b>	Nov.-May	Open	March-July	1½ ft.
<b>Cyclamen</b>	June-Aug.	Flat	Oct.-May	1 ft.	<b>Portulaca</b>	Feb.-May	F-O	June-Oct.	6 in.
<b>Cynoglossum</b>	Oct.-March	F-O	March-July	2 ft.	<b>Primula poly.</b>	Nov.-May	Flat	March-May	6 in.
<b>Cypress Vine</b>	March-May	Open	July-Sept.		<b>Primula malac.</b>	May-Oct.	Flat	Dec.-May	1 ft.
					<b>Pyrethrum</b>	Sept.-May	Flat	March-June	1½ ft.
<b>Dahlia</b>	Feb.-May	F-O	July-Oct.	1-6 ft.					
<b>Delphinium</b>	Anytime	Flat	April-Oct.	5 ft.	<b>Ranunculus</b>	July-Nov.	F-O	Feb.-May	1 ft.
<b>Dianthus</b>	Feb.-May	Flat	All Year	1 ft.	<b>Rudbeckia</b>	Aug.-May	Flat	Aug.-Nov.	2 ft.
<b>Didiscus</b>	Feb.-May	F-O	June-Sept.	2½ ft.					
<b>Digitalis</b>	March-June	Flat	April-July	4 ft.	<b>Saintpaulia</b>	Anytime	Glass	All Year	6 in.
<b>Dimorphotheca</b>	Anytime	F-O	Nov.-June	1 ft.	<b>Salpiglossis</b>	Nov.-May	F-O	April-Sept.	2 ft.
					<b>Salvia</b>	Feb.-May	Flat	June-Sept.	1-2 ft.
<b>Eschscholtzia</b>	Aug.-March	Open	Jan-May	1 ft.	<b>Sanvitalia</b>	Jan.-May	Open	Summer	6-12 in.
<b>Four o'Clock</b>	Oct.-April	F-O	Summer	1-2 ft.	<b>Saponaria</b>	Feb.-April	Open	April-July	2 ft.
					<b>Scabiosa</b>	Oct.-May	F-O	Mar.-Sept.	2½ ft.
<b>Gaillardia</b>	Sept.-April	Flat	March-Sept.	2 ft.	<b>Schizanthus</b>	Nov.-May	F-O	March-July	1½ ft.
<b>Gazania</b>	April-July	Flat	Summer	6 in.	<b>Shasta Daisy</b>	Anytime	Flat	May-Aug.	2 ft.
<b>Gerbera</b>	Anytime	Flat	All Year	1½ ft.	<b>Statice</b>	Anytime	Flat	All Year	2 ft.
<b>Geum</b>	July-Sept.	Flat	April-July	1-2 ft.	<b>Stevia</b>	Jan.-May	F-O	Dec.-May	2 ft.
<b>Gilia</b>	Nov.-May	Open	June-Oct.	1 ft.	<b>Stock</b>	July-March	Flat	Dec.-June	2 ft.
<b>Gloxinia</b>	Jan.-April	Glass	March-Aug.	1-2 ft.	<b>Stokesia</b>	Dec.-April	Flat	July-Sept.	2 ft.
<b>Godetia</b>	Nov.-May	Open	July-Oct.		<b>Streptocarpus</b>	Nov.-March	Glass	April-Oct.	6 in.
<b>Gourds</b>	March-June	Open			<b>Sweet William</b>	Oct.-May	Flat	April-July	1½ ft.
<b>Gypsophila</b>	Anytime	F-O	All Year	2 ft.					
					<b>Thalictrum</b>	Oct.-May	Flat	Aug.-Sept.	4 ft.
					<b>Tithonia</b>	March-June	F-O	Sept.-Nov.	6-8 ft.
					<b>Torenia</b>	Feb.-June	Flat	July-Oct.	9 in.
					<b>Trachelium</b>	Feb.-May	Flat	June-Sept.	1½ ft.
					<b>Valeriana</b>	Dec.-April	F-O	June-Sept.	2½ ft.
					<b>Venidium</b>	Jan.-May	F-O	March-July	2 ft.
					<b>Verbena</b>	Dec.-Aug.	F-O	March-Nov.	1 ft.
					<b>Vinca</b>	Feb.-April	Flat	May-Nov.	1 ft.
					<b>VINES</b>	Feb.-May	Open	Summer	5-10 ft.
					<b>Viola</b>	July-March	Flat	Oct.-June	6 in.
					<b>Violet</b>	Sept.-May	Flat	Jan.-May	6 in.
					<b>Virginian Stock</b>	Oct.-May	Open	Jan.-July	6 in.
					<b>Viscaria</b>	Oct.-April	F-O	April-June	1 ft.
					<b>Wallflower</b>	Sept.-March	F-O	Jan.-June	1½ ft.
					<b>Zinnia</b>	Feb.-July	F-O	June-Nov.	1-3 ft.



Isaac House Hybrids  
Perennial Scabiosa



Venidium



New Zinnia Navajo

# Campbell's DEPENDABLE SEEDS

## FLOWER SEEDS

Since 1907 Campbell's Seeds have been collected from the best possible sources of the world, rare-plant specialists, foreign companies old enough to be traditions, and the wide, sunny valleys of California. They have been growing their own reputations in gardens all over the United States. Let them grow a reputation for You and Your Garden.

All seeds and books sent postpaid; prices of roots and plants do not include postage. All prices subject to change without notice.

Directions and advice are part of our service. Call on us when you want to hire a gardener.

Ask for our Bulb List, ready by August first.

Should you not find the certain variety of seed you want in this catalog, ask us for it. We are in touch with the leading growers in this country and can obtain kinds not in stock in from 3 to 10 days, if they are available.

In the brief descriptions of flower seeds that follow we have compiled much information for most of them such as germination period, time best for sowing, duration of plants (whether perennial (Per.), plants growing and flowering for several years; biennial (Bien.), growing the first year to flower and die the second, and annual (assumed to be the duration if no other habit is indicated), and notes on culture. The colors found in each genus indicates the normal color range but need not infer that all these are available in separate colors.

**ABRONIA umbellata, Sand Verbena.** a-broh'-ni-a. Full Sun. Rosy-lilac, verbena-like flowers. fragrant at night; trailer for sunny rockery or window box; sow November to April. Pkt. 10c.

**ACROCLINIUM roseum hybridum.** ak-roh-klin'-ee-um. Full sun. Pink and white, double, everlasting flowers; often bloom in 8 weeks; 1½ feet high; sow November to March. Germination period 2 to 3 weeks.

**New Sensation Giants,** with richer colors and larger flowers; splendid for cut flowers, used either fresh or dried. ½ oz., 40c, Pkt. 10c.

### AGATHEA

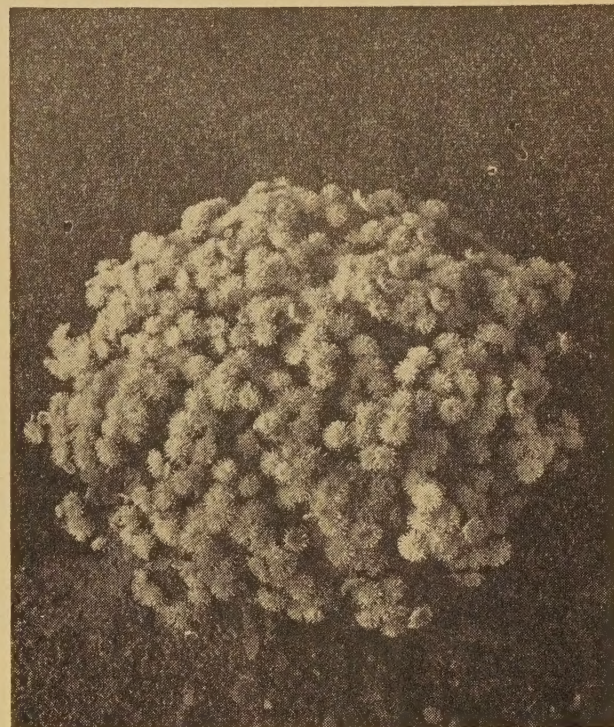
Clear blue with yellow disk; splendid for small bouquets; good border or low hedge; 1 to 2 feet high; sow March to Aug. ½ oz. 85c; Pkt. 10c.

**AGERATUM mexicanum, Floss Flower.** a-ger-ay'-tum.

Blue, feathery flowers in clusters; very free-blooming all summer and fall; sow February to June. Germination period 14 days.



*Anagallis, Mixed*



*Ageratum, Midget Blue*

**Midget Blue,** 3 inches; NEW. Pkt. 15c.

**Blue Ball Improved,** 6 inches. Pkt. 10c.

**Fairy Pink,** rose-pink, 4 inches. Pkt. 15c.

**AGROSTEMMA coronaria, Rose Campion.** Per. Sun.

a-gross'-stem-ma.

Blood red flowers, with silvery foliage; for beds, or cutting; 2 feet; sow March to September. Germination period 10 to 14 days. ¼-oz. 30c; Pkt. 10c.

**ALSTROEMERIA.** Per. al-stre-me'-ri-a. Sun.

**Peruvian Lily.** Bright attractively striped flowers growing on a strong shrubby plant 2-3 ft. tall. Lasting as cut flowers. Small bulbs are formed which may be dug and replanted. Sow March to October. Germination period 10-14 days.

**Aurantiaca,** orange striped red.

**Chilense,** shades of pink salmon, and apricot. Pkts. 25c.

**ALYSSUM. Sweet.** a-liss'-sum. Sun, half shade.

White, lilac, cream fragrant heads of tiny flowers; fine for edgings, beds, or ground cover; sow any time. Germination period 10 to 20 days.

**Carpet of Snow,** spreading white; 3 inches. ½-oz. 55c; Pkt. 10c.

**Lilac Queen.** Lavender; 6 inches. Oz. 80c; ½ oz. 45c; Pkt. 10c.

**Little Gem,** white; 6 inches. Oz. 80c; ½-oz. 45c, Pkt. 10c.

**Cream Yellow,** 6 inches. Oz. 85c; ½-oz. 45c; Pkt. 10c.

**Maritimum,** very fragrant white; 1 foot. Oz. 45c; ½-oz. 30c; Pkt. 10c.

**Violet Queen,** new deep bright violet. 4 inches. Oz. \$1.00; ½-oz. 85c; ¼-oz. 45c. Pkt. 15c.

**ALYSSUM saxatile.** Per. Full sun.

Yellow flowers in masses; 1 foot; fine for borders; sow March to July for late spring bloom.

**Gold Dust,** bright golden yellow. ¼-oz. 40c; Pkt. 10c.

**Citrinum,** sulphureum; pale yellow. Pkt. 15c.

**AMARANTHUS.** am-a-ranth'-us. Sun.

Showy summer bedding annuals; prefer lime soil.

### COLORED FOLIAGE

**Molten Fire,** fiery crimson. 4 feet. Pkt. 10c.

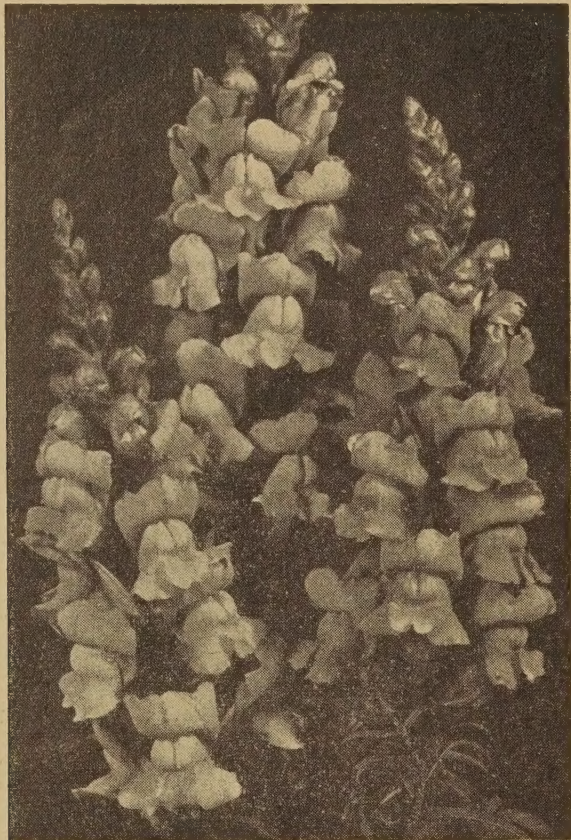
**Salicifolius,** Fountain Plant; bright red-and-gold "shredded" foliage. Pkt. 10c.

**DROOPING RED TASSELS: Caudatus, Love-Lies-Bleeding.**

All, about 3 feet; sow March to June. Germination period 5 to 10 days. Pkt. 10c. **Tricolor,** Joseph's Coat. Pkt. 10c.

**AMARYLLIS.** am-a-ril'-is. Sun or light shade.

**Rice's Hybrids.** A lovely, large flower in shades of deep red, scarlet, rose, orange, cream, white, solid colors and stripes. These hardy flowers develop large heavy bulbs which multiply. Fine for pots or mild climate gardens. Seeds 5c each, 25 for \$1.00.



*Snapdragon, Tangerine*

**ANAGALLIS grandiflora.** a-na-gal'-lis. Sun.

Vivid blue, brick-red, lavender; for sunny rockeries, low beds and borders; 8 inches; sow March to June. Germination period 3 weeks. **Blue, Red, and Mixed.** 1/8-oz. 25c; Pkt. 10c.

**ANCHUSA capensis, Blue Bird.** an-choo'-sa. Sun.

Deep blue, Forget-me-not-like flowers, for sun; 2 feet; sow October to April. 1/4-oz. 30c; Pkt. 10c.

**ANCHUSA italica.** Per. Sun to light shade.

Large Forget-me-not-like flowers; 3 to 5 feet tall; sow March to July. Germination period 2 to 3 weeks. **Gentian Blue.** Pkt. 10c.

**Lissadel.** Bright blue. Pkt. 10c.

**ANTIRRHINUM, Snapdragon.** an-tir-ry'-num. Sun.

Rich colors in a wide range, with a long blooming season, make this one of the most popular as well as one of the best bedding and cutting annuals; sow July to April. Germination period 10 to 15 days.

**Rust-resistant varieties** now equal the old in color and form, and are immune, or very resistant, to rust. Unless otherwise noted, all varieties listed are **Rust-resistant**.

**MAXIMUM**, large-flowered and tall; 3 to 4 ft.

**Alaska**, finest white.

**Apple Blossom**, pink with white tube.

**Campfire**, pure luminous scarlet.

**Canary Bird**, clear rich yellow.  
**Copper Queen**, deep bronzy copper.  
**Copper Shades**, velvety orange and old gold.  
**Paradise Rose**, rose pink.  
**Crimson**, deep velvety red.  
**Loveliness**, soft, glowing pink.  
**Maximum Mixed.** 1/16 oz. 60c; Pkt. 10c.  
**Separate colors**, Pkts. 15c, 3 for 35c.

**ANTIRRHINUM, Snapdragons.**

**SUPER MAJESTIC.** New group, with extra-large flowers on plants intermediate in height. The long flower-spikes give the effect of somewhat greater height than the medium group:

**Autumn Glow**, old rose suffused amber.

**Buttercup**, rich yellow.

**Copper Shades**, copper-orange to old gold.

**Dainty**, light pink.

**Harmony**, terra cotta and yellow, tinted pink.

**Red Rocket**, bright red.

**Reveille**, pale golden yellow.

**Rose Sensation**, best salmon-tinted rose-pink.

**Royal Crimson**, garnet.

**Silver Pink**, clear; delicate pink.

**Tangerine**, golden orange shades.

**Super Majestic Mixed.** 1/16-oz. 50c; Pkt. 15c. **Separate colors.** Pkt. 15c; 3 for 35c.

**MEDIUM**, the finest height for bedding; 1 1/2 to 2 1/2 feet.

**Mixed, all colors.** 1/16-oz. 45c; Pkt. 10c.

**DWARF.**

**Magic Carpet.** New, dwarf mixture, not rust-resistant. Pkt. 15c.

**Separate colors.** Pkt. 15c; 3 for 35c.

**AQUILEGIA, Columbine.** Per. a-kwi-lee'-ji-a. Sun to shade.

Yellow, pink, blue, orange, and red large airy flowers on graceful plants in spring and early summer; stand sun or partial shade; 2 to 3 feet; sown April to August will bloom next spring. Germination period 20 to 60 days.

**Alpina**, dwarf blue, 18 inches. Pkt. 10c.

**Chrysantha Yellow.** Pkt. 10c.

**Clematiflora.** New, spurless variety, in clear pastel colors, with large open flowers like Clematis. Pkt. 35c.

**Long-spurred varieties:**

**Blue Shades**, extra selected.

**Crimson Star**, deep red, starred white.

**Orange and Scarlet Shades.**

**Snow Queen**, finest white.

**Rose Queen**, pink and rose.

**Mrs. Scott Elliott's Varieties**, fine color range.

**Campbell's Hybrids**, unusual shades, wide color range. 1/32 oz. 50c; Pkt. 25c.

All above 1/32-oz. 75c; Pkt. 15c.

**ARABIS alpina, Rock Cress.** Per. ar'ra-bis. Sun, light shade.

White, fine flowers, forming blanket of bloom in spring in sun, on poor soil; 8 inches; sow any time. Germination period 3 weeks. Pkt. 10c.

**ARCTOTIS, African Daisies.** Per. ark-toh'-tis. Full sun.

Large daisies on long stems, for cutting and beds; fine in extra-dry sunny places; 1 1/2 feet; sow October to April for bloom first summer.

**Grandis**, pale lilac. Pkt. 10c.

**New Hybrids**, containing many shades of yellow, orange, bronze, red, and lavender, almost constantly in bloom. Large Pkt. 35c; small Pkt. 15c.



*Arabis, Alpina*



*Sand Verbena  
Abronia, Calif.*



*Aquilegia Long Spurred Hybrids*

**ARMERIA formosa, Sea Pink; Thrift.** Per. ar-meer'-i-a. Sun. Rose pink flower-clusters above grassy foliage; for cutting and borders; sow January to July. Germination period 2 weeks. **Large-flowered Hybrids**, with large heads on 15-inch stems. Pkt. 15c.

**ASPARAGUS Fern.** Per. as-pa'-ra-gus. Partial or full shade. **Plumosus nanus**, feathery, fern-like foliage for bouquets. Sow March to September. Germination period 15 to 30 days. 100 seeds, 50c; Pkt. 10c.

## ASTERS

One of the best summer bedding and cutting annuals, sow all varieties February to June; Single Rainbow as late as August. Germination period 1 to 2 weeks. Full sun. Mixtures listed below usually contain pink, rose, lavender, purple, crimson, and white.

**EARLY GIANT**, new wilt-resistant group, similar in flower to the California Giants, but somewhat shorter in height and not so spreading.

**Light Blue.** Peachblossom, light pink. **Rose Marie**, rich rose-pink. 1/32-oz. 35c; Pkts. 20c.

**SUPER GIANT TYPE**, new, greatly improved California Giants, earlier and larger-flowered. **El Monte**, giant crimson-red. **Los Angeles**, giant clear pink. Pkt. 15c.

**GOLDEN SHEAF**, yellow, new large-centered Aurora-type. Wilt-resistant. 1/16-oz. 35c; Pkt. 15c.

**CREGO**, large, curly-petalled; medium-length stems. 2½ feet. Wilt resistant.

**Blue Flame**, bright navy blue. **Pink**, beautiful shell pink. **Crimson**, glowing deep rose-crimson. **Rose**, lovely bright carmine rose.

**Cattleya**, fascinating shade of orchid. **White**, purest white, large and fluffy.

**Purple**, showy violet purple. **Crego's Finest Mixed.** Pkt. 10c.

**HEART OF FRANCE**, rich red, medium-sized flowers. Wilt-resistant. 1/16-oz. 35c; Pkt. 15c.

**CALIFORNIA GIANTS**, long-stemmed, double, curly-petalled; 2½ feet. **Rose**, **September Beauty**, shell pink, charming. **Rose**, **Peachblossom**, **Light Blue**, **Purple**, **White**, and **Mixed.** 1/16-oz. 35c; Pkt. 10c.

**EARLY BEAUTY**, long-stemmed, double, incurve. **Light Blue**, **Purple**, **Crimson**, **White** and **Mixed.** Wilt-resistant. 1/16-oz. 35c; Pkt. 15c.

**SINGLE RAINBOW**, very floriferous for bedding and cutting; 2 feet. **Pink**, **Rose**, **Light Blue**, **Purple**, **Mixed.** ¼-oz. 45c; Pkt. 10c.

**GIANT CALIFORNIA SUNSHINE**, new, large, single, anemone-centered; 2½ feet; **Mixed** Pkt. 15c.

### ASTER Princess

The Princess Asters have a full deep crested center, surrounded by several rows of dainty plumelike guard petals. This is a very attractive new cutting strain of early wilt-resistant Aster, branching and bearing quantities of flowers on strong stems. **Princess Anne** has a dainty peach blossom coloring. **Princess Barbara**, a lively shade of lavender. **Princess Bonnie** is soft salmon rose with a rich golden center. **Princess Marsha** is a striking cinnabar scarlet. Pkt. 20c.

**QUILLED POMPON MIXED.** Pkt. 15c.

### AUBRIETA, Rainbow Rock Cress. Per. au-bre'-tah. Sun.

Lavender, pink, and purple flowers, resembling Virginian Stock, for sunny rockery or border; 6 inches; sow January to May. Germination period 25 days. **Deltoidea**, blue-lilac. **Large-flowering Hybrids Mixed.** Pkt. 15c.

### AUSTRALIAN PEA VINE, Dolichos lignosus. Per.

Sun, part shade.

Rose-pink, small, pea-shaped flowers on rapid evergreen vine; sow November to March. Germination period, 12 days. Pkt. 10c.



Aster Crego

**BABY BLUE EYES.** See Nemophila.

**BABY'S BREATH.** See Gypsophila.

**BACHELOR'S BUTTON.** See Centaurea cyanus.

### BALSAM, Lady's Slipper. ball'-sum. Sun.

Pink, salmon, red, white, double camellia-like flowers on bushy plants, thrives in hot sun and rich soil, copiously watered; 18 inch; sow March to May. Germination period 10 to 14 days.

**Giant Camellia-flowered. Mixed.** ½-oz. 35c; Pkt. 10c.

### BARTONIA, Mentzelia, Blazing Star. bar-tone'-i-a. Sun.

Golden yellow, large, silken-petalled flowers with many stamens; Calif. native, for sun and sandy soil; 2 feet; sow November to April. Germination period 5 to 10 days. Pkt. 10c.

**BEANS.** See Dolichos, and Scarlet Runner.

### BEGONIA. Per. bee-gohn'-i-a. Sun to shade.

Useful bedding and pot plants, for full or partial shade; sow January to May, on surface of fibrous loam, fine sand and leaf mold, preferably under glass, and watering from below.

#### FIBROUS-ROOTED:

**Carmen**, Salmon-rose, bronze foliage.

**Christmas Cheer**, darkest scarlet; large.

**Christmas Pink**, large rosy pink.

**Indian Maid**, scarlet, very dark foliage.

**King of the Reds**, favorite dwarf red.

**Luminosa**, scarlet, brown foliage.

**Masterpiece**, pale pink, green foliage.

**Prima Donna**, rose-pink, green foliage.

**Scandinavia**, fine dwarf pink.

**White Pearl**, clear white. Pkts. 25c.

#### TUBEROUS-ROOTED:

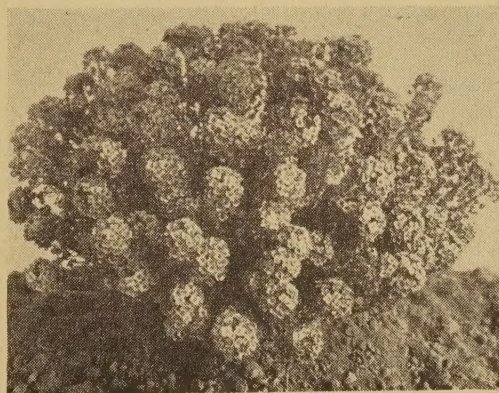
**Single Mixed.**

**Single Frilled Mixed.**

**Giant Double Mixed.** Pkts. 50c.



Aster, Princess



Alyssum, Violet Queen



Fibrous Rooted Begonia



*Calceolaria, The "Pocketbook Flower"*

**BELLIS perennis, English Daisy.** Per. Bell'-lis. Sun to shade. Pink, red, and white double flowers for edgings and low beds in sun or shade; 6 inches; sow August to April (blooms in 5 months). Germination period 10 to 14 days. Monstrosa (large-flowered) sorts: **Aetna**, quilled red; **Light Pink**; **Deep Rose**; **White**; **Mixed**, Large Pkts. 25c; Small Pkts. 10c.

**BRACHYCOME iberidifolia, Swan River Daisy.** bra-kick'-o-me. Sun or part shade. Blue, pink, and white flowers like small Cinerarias, for low winter and spring beds, ground-cover, and cutting; 10 inches; sow Nov. to May. Germination period 10 days. **Blue**; **Mixed**. Pkt. 10c.

**BROWALLIA.** brow-wall'-i-a. Sun or shade. Pure blue flowers in all seasons, and in sun or shade; prefers rich soil; 1 foot; sow any time. Germination period 1 month.  
**Elata**, amethyst blue, 18 inches tall. Pkt. 15c.  
**Speciosa Major**, large-flowered, bright blue pot variety. Pkt. 25c.  
**Viscosa compacta**, deep sapphire blue with white eye, 9 inches tall. Pkt. 25c.

**CABBAGE, Flowering; Ornamental Kale.** Sun. The foliage, as it becomes well-developed, turns green-and-white, or shades of purple, etc., usually along the curly or fringed edges, so that the entire loose head resembles a huge flower; striking in flower arrangements. Sow March to September. Large Pkt. 35c; Small Pkt. 15c.

**CACTUS.** Per. Full sun. Drought-resisting, more or less spiny; sow in small seed pans indoors, or when weather is warm outdoors.  
**All Kinds Mixed.** 50 Seeds, 35c; 15 Seeds, 15c.

**CALCEOLARIA.** Per. kal-see-oh-lay'-ri-a. Shade, part shade. Yellow, orange and red, spotted purse-shaped flowers in clusters, for pots and shady beds; about 1 foot; sow August to December.  
**Hybrida Grandiflora**, large-flowered, tender pot strain. Pkt. 50c.  
**Rugosa Hybrida, Flower Cloud Mixed**, hardy strain with medium-sized flowers, for outdoor bedding in shade. Pkt. 50c.

## Calendula

**CALENDULA, Winter Marigold.** ka-len'jew-la. Sun. Shades and combinations of orange, yellow, and cream, double flowers, ideal for winter and spring beds and for cutting; 1 to 2 feet; sow July to March. Germination period 10 to 14 days.

### FLAT-FLOWER VARIETIES:

**Ball's Apricot**, soft apricot-orange.  
**Ball's Gold**, large deep yellow.  
**Ball's White**, cream, picotee apricot.  
**Campfire**, large dark orange.  
**Masterpiece**, largest long-stemmed orange.  
**Lemon Queen**, clear yellow.  
**Meteor**, cream, striped orange.  
**Orange Fantasy**, coppery-orange; petals edged red, center crested.  
**Orange King Improved**, standard rich orange.  
**Art Shades Mixed**, new, pleasing mixture, many with picotee edges.  
**All Varieties Mixed.**  
All, ½-oz. 75c; ¼-oz. 40c; Pkts. 10c.

## "Formal Planting"

### IDEAL FOR PATIO AND FORMAL GARDEN

A small area back of the house can be a gay spot of color when planted to annuals. The geometric or formal shape is kept throughout the plan and is echoed in the walks or grass; by the shape of the beds and their edging and by the enclosure itself (fence, hedge or shrubbery).

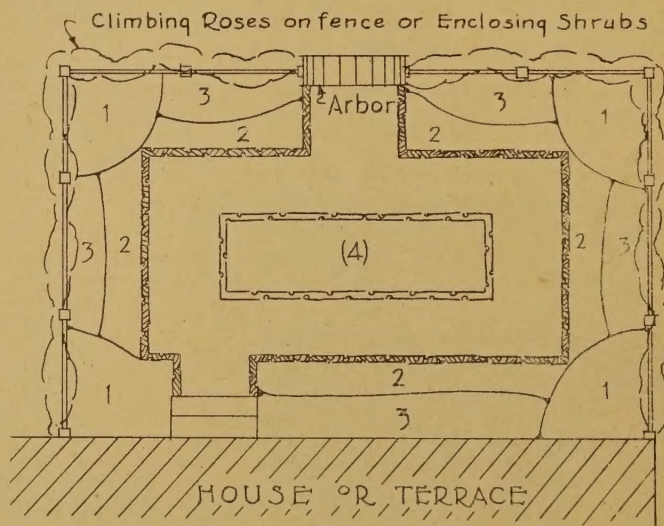
Since we are here concerned mainly with the planting let us assume your space has good proportions, appropriately connected to the house so you can enjoy it, and that you can provide either a fence with roses or similar enclosure to the garden as shown.

In California we plant two gardens a year. When you plan your fall planting don't overlook the bulbs, which when planted before sowing annuals will make a gloriously different garden in spring. Below is a suggested list of annuals to use.

If the garden is larger or it is desired to have more and different colors represented varieties of the same flower can be used in beds 2, 3 and 4, keeping the selection to flowers of the same height. Such gardens are very pleasing when in one color as blue, yellow or pink or in the complementary colors as blue and yellow with white flowers for accent.

The little hedges indicated as "edging" in this sort of garden are important to show the garden lines—since neatness throughout is essential to the appearance.

With a paved center—flagstones—or a barbecue arrangement at one end such a garden can become a very important and beautiful part of the home living scheme.



A SUGGESTED FORMAL GARDEN PLAN

#### 1. CORNER PLANTING

**Sow Spring**  
Delphinium  
Zinnia  
Cockscomb  
Marigold  
Cosmos

**Sow Fall**  
Calendula  
Stocks  
Larkspur  
Delphinium  
Snapdragon

#### 2. MEDIUM HEIGHT ANNUALS

**Sow Spring**  
Petunia  
Marigold  
Shasta Daisy  
Gaillardia

**Sow Fall**  
Centaurea  
Calendula  
Carnation  
Petunia  
Phlox

#### 3. TALLER ANNUALS

**Sow Spring**  
Larkspur  
Cosmos  
Hollyhock  
Zinnia  
Marigold

**Sow Fall**  
Poppies  
Scabiosa  
Snapdragon  
Stocks  
Larkspur

4. If this bed is used it should be planted to one kind of annual selected from lists 2 and 3, with bulbs.



*Calliopsis, Golden Crown*

*Campbell's Dependable  
Seeds 1947*



*Brachycome Iberidifolia, Azure Fairy*



*Campanula (Canterbury Bells)*

**CALENDULA**

**LOOSE-PETALLED VARIETIES:**

**Chrysanth,** Sunshine, large, semi-double buttercup-yellow.  
**Lemon Shaggy.**

**Orange Sunshine,** like Chrysanth except color.  
**Radio,** quilled deep orange.

All, ½-oz. 50c; ¼-oz. 30c; Pkts. 10c.

**Yellow Colossal,** new, improved Chrysanth; larger, more double. ½-oz. 30c; Pkt. 15c.

**Trial Ground Elend,** new, selected for resistance to heat, and long blooming season, light and pastel shades, shaggy form. ½-oz. 75c; ¼-oz. 40c; Pkts. 10c.

CALIFORNIA POPPY, *Eschscholtzia*. See Wild Flowers.

**CALLIOPSIS, Annual Coreopsis.** Kal-lee-op'-sis. Sun.

Bright yellow, yellow-and-red, and red daisy flowers, showy in summer beds and as cut flowers; sow March to July. Germination period 10 to 14 days.

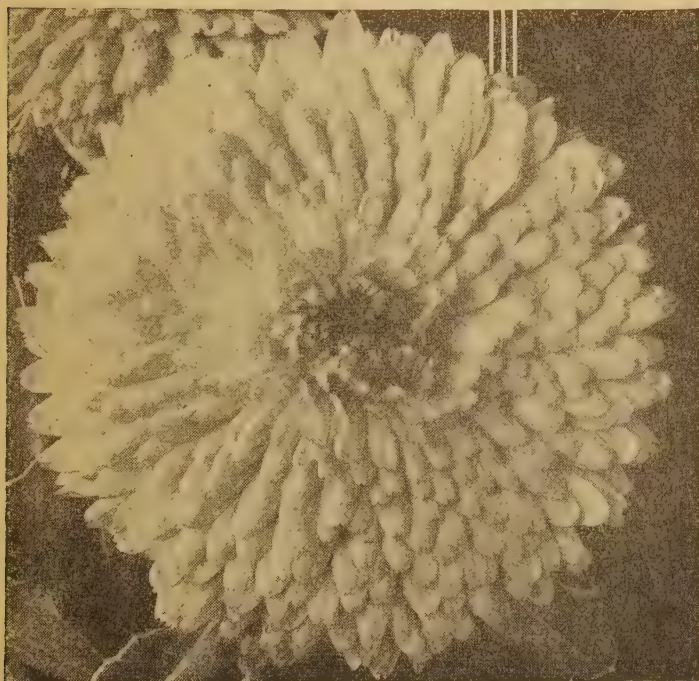
**DWARF VARIETIES:**

**Golden Crown,** 1 foot, showy large deep yellow with small red center-zone.

**Dwarf Mixed,** 6 in., all shades. ¼-oz. 40c; Pkts. 10c.

**TALL VARIETIES MIXED,** 3 feet. ½-oz. 35c; Pkt. 10c.

**Crimson King,** tall, dark red. Pkt. 10c.



*Calendula, Campfire Improved*

**CAMELLIA, japonica.** Ca-mel'i-a. Ornamental Shrub. Shade. Many new and interesting variations of this very beautiful flowering shrub may result when they are raised from seed. The blooms are white, shades of red, rose, and pink, often striped. Sow in March.

**Hybrids Mixed.** Seeds 5c each, 25 for \$1.00.

**CAMPANULA, Perennial Varieties.** Per. kam-pan'-you-la.

Blue, white, bell-shaped flowers; sow October to March.

**Carpatica, Hare Bell,** blue and white. 10 inches. Sun.

**Persicifolia, Peach Bell;** mixed. 2-3 feet. Sun.

**Pyramidalis, Chimney Bell,** mixed, 5-6 feet tall. Sun.

**Rotundifolia** (Blue Bells of Scotland), blue, 1 foot. Sun, shade. Pkts. 15c.

**CAMPANULA medium, Canterbury Bells.** Sun.

Blue, pink and white, large bells on tall spikes. Usual type biennial, flowering second season; annual type flowers in 5 to 7 months from seed. Sow any time. Germination 10-15 days.

**BIENNIAL CANTEBURY BELLS, 3 ft.**

**Calycanthem,** Cup and Saucer type. Flowers have a saucer-like development at base. Very lovely.

**Rose Pink** Light Blue.

**White.** Dark Blue.

**Mixed.** Good color assortment. Pkts. 10c.

**Single Type, Mixed** only. 1/16-oz. 30c; Pkt. 10c.

**Double Mixed.** Flower fully double. Pkt. 10c.

**ANNUAL CANTEBURY BELLS. 3 ft.**

**Liberty Bell.** Deep blue.

**Wedding Bell.** Pure white.

**Angelus Bell.** Deep rose pink. **Mixed.** Pkts. 15c; 3 for 35c.

**CANDYTUFT.** Sun.

White, pink, lavender, and red flower-heads on bushy plants for borders, beds, and cutting; 1 foot; sow November to May. Germination period 10 to 14 days.

**UMBELLATA VARIETIES:**

**Pink, Lavender, Rose, Cardinal, White, and Mixed.**

½-oz. 35c; Pkts. 10c.

**Dwarf Mixed,** Nana compacta, 6 in. ¼-oz. 30c; Pkt. 10c.

**HYACINTH-FLOWERED VARIETIES:**

**Giant White,** large spikes, 1 foot.

**Miniature Gem,** white, 4 in. ¼-oz. 45c; Pkt. 10c.

CANDYTUFT. Per. See Iberis.

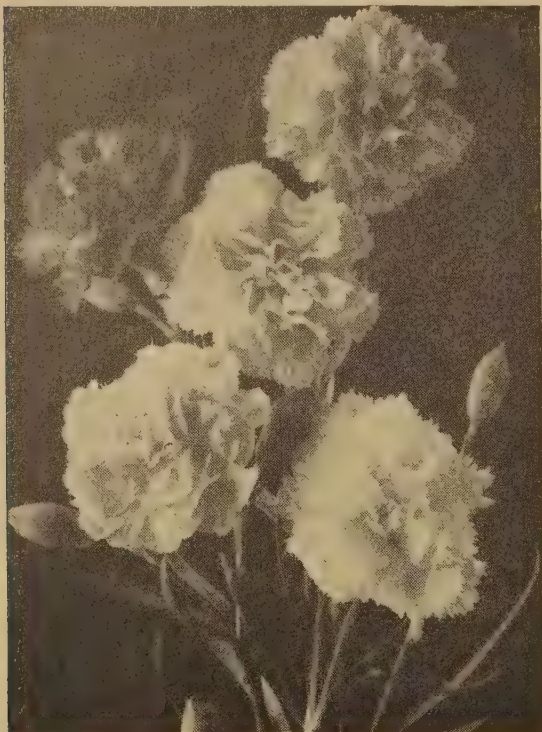
**CANNA.** Per. Sun.

Vivid pinks, yellows, oranges and reds, useful for foliage and flower mass effect; flower first year from seed, which soak; 3 feet; sow January to May. Germination period 2 weeks. **Crozy's Hybrids Mixed.** Pkt. 25c.

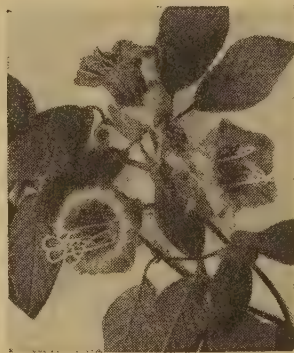
**CARDINAL CLIMBER, Ipomoea quamoclit hybrida.** Sun.

Vine.

Fiery-red tubular flowers on rapid vine; sow February to May. Germination period 10 to 15 days. Pkt. 15c.



*Carnation, Enfant de Nice*



*Cobaea Scandens*



*Centaurea Americana*

## Carnations

### CARNATION, *Dianthus Caryophyllus*. Per. Sun.

Pink, rose, red, white, yellow; 1½ feet; sow Oct. to April. Germination period 10 days.

**Campbell's Perpetual Giant Hybrids Mixed**, nice color variations, long blooming period, large blooms, good percentage of doubles. Pkt. 50c.

**Chabaud's Giant Pink, Rose, Scarlet, Crimson, Yellow, White, and Mixed**, bloom in 6 months from seed. Pkts. 15c; 3 for 35c.

**Giant Enfant de Nice Carnations**. They are of compact growth with extremely stiff stems bearing flowers 2¼ to 2¾ inches without disbudding. The colors come about 75% true from seeds and give about 90% of plants with double flowers. **Mixed**. Pkts. 15c.

**Improved Early Perpetual Giants**. Plants bloom in 5 months and continue all summer. The flowers are unusually large, very double and clove scented on stiff 15 to 18-inch stems.

**Salmon Glory, Violet Queen, Canary Yellow, Mt. Blanc** (white), and **Choicest Mixed**. Pkts. 25c each.

### CASTOR OIL BEAN, *Ricinus*. Per. ris'-i-nus. Sun.

Very rapid-growing foliage plant; sow January to April. Germination period 2 weeks. **Sanguineus** (6 feet), green, red-veined leaves, red stalks and fruit; **Zanzibariensis** (12 feet), green and bronze leaves. Pkts. 10c.



*Centaurea, Bachelor's Button*

### CELOSIA, Cockscomb. sell-oh'-si-a. Full sun.

Crimson, rose, and yellow dense heads and plumes; sow March to May. Germination period 7 to 10 days.

**Cristata, Cockscomb Type; Dwarf** (1 foot), **Crimson, Maple Gold** (gold tipped and shaded from light to deep pink), and **Tall** (3 feet), **Mixed**.

**Plumosa**, Feathered type; 2½ feet: **Crimson; Yellow; Pride of Castle Gould Mixed**.

**Childsii**, Chinese Woolflower; 2 feet: **Mixed**. Pkts. 10c.

### CENTAUREA, cyanus, Cornflower, Bachelor's Button. Sun.

Blue, rose, red, and white flowers for beds and bouquets; Sow November to May. Germination period 10 to 15 days.

**DOUBLE**, re-selected **Florist Strains** (3 feet):

**Blue Boy**, pure deep blue.

**Snow Man**, white.

**Pinkie**, rose pink.

**Red Boy**, ruby red.

**Mixed**. Pkts. 10c.

**DWARF** bedding type, 1 foot:

**Jubilee Gem**, deep blue. Very useful for both bedding and cutting. ¼-oz. 30c.

**Lilac Lady**. Pkts. 15c.

### CENTAUREA imperialis, Sweet Sultan. Sun.

Pink, lavender, purple, white, and yellow fragrant flowers like large, soft thistles; 2½ feet; sow November to May.

Germination period 2 weeks. **Amaranth Red, Lavender, Pink, White, Yellow** (Suaveolens, not in mixture), and **Mixed**. ¼-oz. 30c; Pkts. 10c.

### CENTAUREA americana, Basket Flower. Sun.

Large feathery lilac flower somewhat resembling an interwoven basket, on a handsome annual plant; 4 feet; sow October to May. Germination period 2 weeks. Pkt. 10c.

CENTAUREA. See also Dusty Miller.

## WHICH DO YOU WANT ?



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found together only in

**TRANSPLANTONE**

THE HORMONE-VITAMIN POWDER

Stop the shock and wilt usually inevitable after transplanting all kinds of plants. . . . Simple, Safe, Economical to use.

½ oz. packet 25c, 1 oz. can 50c, 3 oz. can \$1.00, 1 lb. can \$4.00.

**CERASTIUM tomentosum, Snow in Summer. Per. Sun.**

se-ras'-tee-um.

White flowers and silvery foliage for sunny edgings and rockery; 8 inches; sow January to June. ¼-oz. 25c; Pkt. 10c.

**CHEIRANTHUS, Siberian Wallflower. ky-ran'-thus. Sun.**

Dazzling, bright orange or golden yellow flowers, produced freely from early spring to summer; 1 foot; sow September to March. Germination period 2 weeks.

**Vivid Orange; Golden Bedder**, deep yellow. ¼-oz. 30c; Pkts. 10c.

**CHRYSANTHEMUM. Per. See also Matricaria, Pyrethrum, and Shasta Daisy. kris-an'-the-mum. Sun.**

**Korean Hybrids**, early-flowering, bushy type for garden decoration. Single and semi-double. Mixed. Pkt. 25c.

**CHRYSANTHEMUM, Annual, Painted Daisies. Sun.**

Yellow, white, pink, and red, large daisy cut-flowers; 2 feet; sow October to April. Germination period 10 to 18 days.

**Tricolor Mixed**. Pkt. 10c.

**CINERARIA hybrids. sin-e-rar'-ia. Shade.**

Unusually rich colors in the showiest early spring bedding plant for shade, and pots; sow June to October, Germination period 8 to 10 days.

**Grandiflora Semi-Dwarf, 16 inches: Blue Shades, Crimson and Carmine Shades, Salmon, White**. Pkts. 50c.

**Campbell's California Giant Strain, Mixed**, notable for immense flowers and pleasing colors. Pkt. 50c.

**Cremer's Prize Strain**, semi-dwarf, with medium-sized flowers, but producing the largest heads of any type. Pkt. 50c.

**Howard & Smith's Prize Strain**. Mixed. Pkt. 50c.

**Multiflora Nana**, new dwarf (1 foot) type, with quantities of tiny flowers in all shades. Pkt. 25c.

**CLARKIA elegans. clark'-i-a. Sun, light shade.**

Pink rose, red, purple, and white double carnation-like flowers along spikes, beautiful in the garden or cut; 2 feet; sow November to April. Germination period 2 weeks.

**Albatross**, fine upright white. **Firebrand**, orange-scarlet.

**Apple Blossom**, delicate pink. **La France**, salmon pink. Pkts. 10c; 3 for 25c.

**All Colors Mixed**. ¼-oz. 30c; Pkt. 10c.

**CLEOME Pink Queen. Silver Medal A.A.S. '42. Sun.**

A tall attractive border subject, Cleome Pink Queen has huge heads of delightful true pink, with no trace of magenta. It reaches a height of 4 feet. Blooming from June till frost, and unaffected by disease or pests, it is a most desirable flower for bold clumps of color in background planting. Pkt. 15c.

**COBAEA scandens, Cathedral Bells Vine. Vine. ko-bee'-a. Sun.**

Violet-blue, large, bell-shaped flowers on very rapid, deep-green-leaved vine for sun or partial shade; sow seeds on edge, Feb. to May. Germination period 3 weeks. Pkts. 10c.

**COCK'S COMB. See Celosia.**

**COIX lachrymae, Job's Tears. koh'-ix. Sun.**

Interesting grass-like plant, grown for its smooth, hard, tear-shaped seeds, often used for beads; sow February to May, nicking seeds. Germination period 2 weeks. Oz. 40c; Pkt. 10c.

**COLEUS. Per. ko'-lee-us. Shade or part shade.**

Ornamental foliage plant for pots or outdoors, with large, vari-colored velvety leaves in partial or full shade; 1 to 2 feet; sow February to May. Germination period 10 to 15 days.

**Rainbow**. Rich colors and markings. Pkt. 50c.

**COLLINSIA bicolor, Innocence. kol-lin'-si-a.**

Blue-and-white flowers in spikes; Calif. native for sun and shade; 15 inches; sow November to April. Germination period 2 weeks. Pkt. 15c

**COLUMBINE. See Aquilegia.**

**CONEFLOWER. See Rudbeckia.**

**CONVOLVULUS, Annual. See Morning Glories.**

**CORAL BELLS. See Heuchera.**

**COREOPSIS lanceolata grandiflora. Per. ko-ree-op'-sis. Sun.**

See also Calliopsis and Leptosyne.

Chrome-yellow, large, glossy daisy flowers on long, graceful stems; 2 to 3 feet; seeds sown November to March bloom first season. Germination period 3 weeks.

**Auriculata**, yellow, small red center-zone.

**Mayfield Giant**, large-flowered single.

**Double Sunburst**, new large double yellow. Pkts. 10c.

**CORNFLOWER. See Centaurea cyanus.**

**CONEFLOWER ASTER. See Stokesia.**

**COSMOS. koz'-mus. Sun.**

Crimson, pink, and white daisy flowers for show and cut with light green, feathery foliage, thriving in poor or sandy soils; sow March to July. Germination period 10 to 14 days.

**EARLY SORTS** (3 feet; bloom June-August):

**Sensation**. New, with huge pink rose, and white flowers on strong bushes in 10 weeks. **Pinkie**, rose-pink **Purity**, white; **Mixed**.

**Dazzler**. Velvety maroon, '43 All America Winner.

**Early Double Sensation**. Fluted and crested.

**Orange Flare**. New early-flowering form of the Late Klondyke Cosmos. **Yellow Flare**. All America '42.

**LATE SORTS** (5 feet; bloom September and October):

**Single Pink, White, Crimson and Mixed**. Pkts. 10c.

**Double Crested Mixed**. Pkts 15c.

## Cyclamen

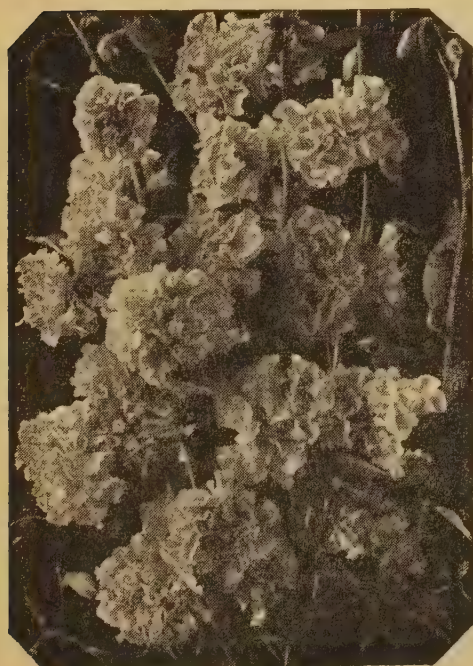
**CYCLAMEN persicum giganteum. Per. sy'-kla-men. Shade.**

Salmon, pink, rose, red, lavender, white "shooting-star" flowers with beautiful foliage, for pots or outdoors in shade; 1 foot; sow any month but allow 18 months to flower; July to September best time for Christmas bloom. Germination period 3 to 4 weeks.

Giant-flowered strain: **Rose-pink, Salmon, White, Red, and Mixed**, 6c per seed. **Double Mixed**, 7c per seed.

**CYPRESS VINE, Ipomoea quamoclit. Vine. Sun.**

Red and white star-shaped flowers on quick, twining vine with feathery foliage; sow February to May. Germination period 10 to 20 days. **Mixed**. Pkt. 10c.



Clarkia, Elegans

## Fall Bulb List

AVAILABLE FOR FALL PLANTING  
SENT ON REQUEST IN LATE  
SUMMER



Cleome, Pink Queen



Cosmos, Sensation Mixed

## Delphinium

**DELPHINIUM CHINENSIS.** del'-fin'-i-um. See also Larkspur.  
Dwarf annual, with flowers very similar to perennial sorts.  
for low beds and edgings; 1 foot; sow December to April.  
Germination period 2 weeks. Sun or partial shade.  
**Blue Butterfly Improved**, ultramarine blue.  
**Azure Fairy**, clear light blue. 1/8-oz. 40c; Pkts. 10c.

**DELPHINIUM.** Per. Full sun, or high shade.  
Splendid, stately border and bedding plant and cutting  
flower; sow July to November for bloom in spring, or De-  
cember to March for bloom that summer. Germination period  
2 to 3 weeks.

**Cultural Note:** Delphinium seed germinates best as soon as  
ripe. We supply New Crop seed exclusively, after July 15th  
each year, so that late summer and fall sowing is recom-  
mended. Chill seed 48 hours in refrigerator. When set out,  
deep soil, well-drained and enriched with old manure is best.  
Feed a balanced plant food like Vigoro. Delphiniums thrive  
in sun, yet prefer a cool climate.

### CUTFLOWER VARIETIES:

**Cliveden Beauty, Improved Belladonna**, light blue.  
**Bellamosum**, dark blue. Pkts. 15c.

### LARGE-FLOWERED, TALL BEDDING VARIETIES:

**Campbell's XXX Hybrids**, with large flowers in all shades  
of blue and lavender-blue. Pkt. 25c.  
**Cardinale**, native scarlet larkspur. Pkt. 15c.  
**Wrexham**, Hollyhock Flowered Strain, giant flowers in blue,  
white, and pink combinations. Pkts. 15c.

**PACIFIC GIANTS** (New), fully double, mildew-resistant  
strain, the finest obtainable.

**Blue Jay Series**, medium to dark blue.

**Galahad Series**, enormous clear white, individual flowers  
often 3 in. across.

**Guinivere Series**, pinkish lavender shades.

**Round Table Series**, originator's cross-pollinated seed, con-  
taining all the colors and shades ever obtained. Pkt. 50c.

**Summer Skies Series**, light blue, white bee.

All Shades Mixed and Separate Colors. Pkts. 35c.

## Dianthus

**DIANTHUS, Annual Pinks.** See also Sweet Wivelsfield. Sun.  
Shades of red, pink, crimson and white; 1 foot; sow February  
to May. Germination period 5 to 10 days.

### HEDDEWIGI LACINIATUS (JAPANESE PINK) VARIETIES:

**Crimson Belle**, single crimson.

**Salmon Queen**, single salmon.

**Snowdrift**, double pure white.

**Splendens**, large deep red with white eye.

**Single or Double Mixed.** Pkts. 10c.

**CHINENSIS (CHINESE PINK) VARIETIES** (flowers  
smaller, in clusters like Sweet William):

**Double Mixed.** Pkt. 10c.

**Heddensis, Westwood Beauty.** A new type resulting from  
cross between Heddeewigi x chinensis. Shades of crimson and  
scarlet. Pkt. 25c.

**DIANTHUS, Perennial Pinks.** Per. dy-an'-thus. Sun.

Pink, rose, red, white; fragrant; sow February to May.  
Germination period 1 to 2 weeks.

### PLUMARIUS (CLOVE PINK) VARIETIES; 1 1/2 feet:

**Cyclops Mixed.** Large-eyed single flowers in rich colors—  
the best ever-blooming Pink.

**Semperflorens Double Mixed.** Pkts. 10c.



Pacific Hybrid Delphiniums

**CYNOGLOSSUM amabile, Chinese Forget-Me-Not.** Sun.  
sy-no-qloss'-um.

Pure blue and white, large forget-me-not-like flowers in  
sprays, good for cutting and bedding in sun; sow October to  
April. Germination period 10 days.

**Clear Blue** (2 feet). Pkt. 10c.

**Mixed**, new, includes white, and many shades of blue. Pkt. 15c.

**Firmament**, purest mid-blue, dwarf and bushy (15 inches).  
Pkt. 15c.

**DAHLIA.** Per. dal'-ya. Sun.

Great variety of colors and types blooming profusely and  
forming tubers the first season; sow February to May.  
Germination period 10 days.

**Campbell's Prize Mixed**, from Cactus and Decorative, im-  
proved named sorts only. Pkt. 50c.

**Fine Exhibition Varieties Mixed.** Seeds from new exhibition  
types which make good parents. No miniature or pompons  
selected. 25 seeds \$1.00; 100 seeds \$3.50.

**Unwin's Dwarf Hybrids.** 1 1/2 feet, early flowering, semi-  
double. Pkt. 10c.

**Coltness Hybrids Improved**, new and complete range of colors  
in this fine, single flowered, dwarf compact (1 foot) bedding  
Dahlia. Pkt. 15c.

**DATURA, Angel's Trumpet.** da-toor'-a. Sun.

White, yellow, and purple, large, showy trumpet flowers on  
handsome specimen plants, in bloom all summer; 3 feet; sow  
February to May. Germination period 2 to 3 week. **Double**  
and **Single Mixed.** Pkt. 10c.



Dahlia



Dianthus  
Splendens



Brilliant  
Dimorphotheca



Dianthus, Westwood Beauty

**DIANTHUS, Rock-Garden Species.** Full sun.

**DIANTHUS, ROCK-GARDEN SPECIES.** Full sun.

**Allwoodii Alpinus**, new, 4 to 6 inches, mixed colors. Pkt. 50c.

**Caesius, Cheddar Pink**, pink with tufty 3-inch foliage and 6-inch stems. Pkt. 10c.

**Deltoides, Maiden Pink**, rose, 8 inches. Pkt. 15c.

**Knappi**, clusters of clear golden yellow flowers. Pkt. 25c.

**Loveliness**, large mauve flowers with lacinated petals and delicious fragrance. Pkt. 25c.

**Winteri**, striking new pinks in pure colors, compact habit, very fragrant large flowers. Pkt. 25c.

**Rock-Garden Rare Species Mixed**, including 25 kinds. Pkt. 25c.

**DIDISCUS coeruleus, Blue Lace Flower.** dy-dis'-cus. Sun.

Soft blue, tiny tubular flowers forming lacy heads on long stems for bouquets; 2 1/2 feet; sow February to May. Germination period 2 weeks. Pkt. 10c.

**DIGITALIS, Foxglove.** Bien. and Per. di-ji-tal'-is. Shade.

Pink, purple, white, large open-tubed flowers in tall, erect spikes; 4 feet; sow by April for certain flowers the following spring. Germination period 10 to 15 days.

**BIENNIAL VARIETY:**

**Giant Shirley Hybrids Mixed.** Pkt. 10c.

**PERENNIAL VARIETY:**

**Isabellina**, buff and yellow, 5 feet. Pkts. 25c.

**Lutzi**, salmon shades, 4 feet. Pkt. 25c.

**DIMORPHOTHECA, African Daisy.** dy-mor-foth'-eka. Sun.

Orange, yellow, salmon and white, large daisy flowers, unusually brilliant for bedding in all seasons; 1 foot; sow any time. Germination period 10 to 20 days.

**Aurantiaca: Orange**, yellow.

**Single Hybrids Mixed.** Pkts. 10c.

**Double Hybrids Mixed.** Pkt. 15c.

**Glistening White.** Pkt. 15c.

**DIMORPHOTHECA. Per.** Sun.

**Ecklonis.** White, blue center, with mauve reverse, flowers 3 inches across; blooms through winter until summer; sow any time; 2 feet. Germination period 2 to 3 weeks.



*Dimorphotheca ecklonis*

**DOLICHOS lablab, Hyacinth Bean.** Vine. doll'-i-kos. Sun.

Rosy-purple pea flowers on quick vine, with showy purple pods; sow March to May. Germination period 10 days. Pkt. 10c.

**DOLLAR PLANT.** See Lunaria.

**DUSTY MILLER, Centaurea sp.** Per. Sun or partial shade.

**Candidissima**; thick silvery-white foliage, 10 inches.

**Gymnocarpa**; grey foliage, 20 inches; sow January to May. Germination period 2 to 4 weeks. Pkts. 10c.

**ENGLISH DAISY.** See Bellis.

## California Poppies

**ESCHSCHOLTZIA, California Poppy.** esholt'-zi-a.

Orange, crimson, rose, yellow, and white, showy, glossy-petalled flowers for bedding, ground cover on vacant lots, and bouquets (cut the flowers early, before they open); 1 foot; sow August to March. Germination period 10 days.

**Aurantiaca**, orange (true native poppy). Lb. \$5.00, 1/4-lb. \$1.35; oz. 45c; 1/2-oz. 35c.

**Ballet Girl**, carmine outside, cream inside.

**Cherry Ripe**, semi-double cherry red.

**Golden West**, yellow with orange center. Oz. 30c; 1/2-oz. 20c.

**Lovely**, salmon rose.

**Scarlet Beauty**, best bright red, single.

**White.**

**Separate Colors** above 15c.

**Hybrida Mixed** (all new and unusual shades). Pkts. 15c.

**Monarch Art Shades**, lovely, semi-double mixture. Pkt. 25c.

**Sweetheart**, new shade, rich salmon-rose on cream, fully-double, plants dwarf and compact. Pkt. 15c.

**EUPHORBIA heterophylla, Annual Poinsettia.** you-for'-bi-a. Sun.

Showy orange-red bracts (as in the Perennial Poinsettia) make this an interesting summer and fall bedding annual; 3 feet; sow March to June. Germination period 10 days. Pkt. 10c.

**EUPHORBIA Variegata. Snow on the Mountain.** Sun.

Ornamental foliage annual, with distinct white and green leaves, for beds or mixed bouquets; sow March to June. Germination period 2 to 3 weeks. Pkt. 10c.

**FEVERFEW.** See Matricaria capensis.

**FLAG OF SPAIN VINE.** See Mina lobata.

**FORGET-ME-NOT.** See Myosotis.

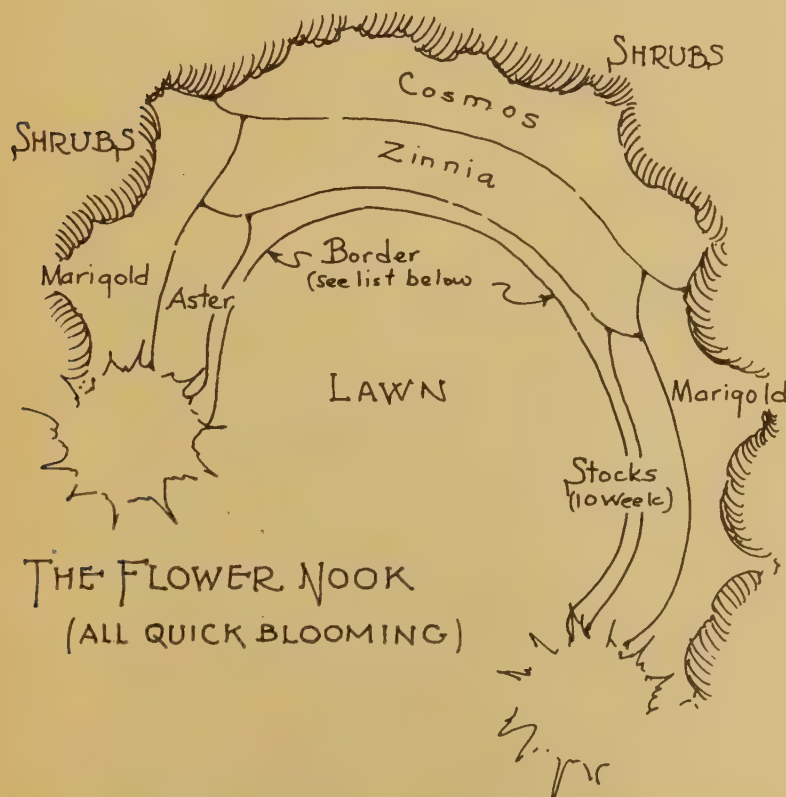
**FOUR O'CLOCK, Mirabilis; Marvel of Peru.** Per. Sun.

Red, pink white, yellow flowers opening in afternoon, on bushy plants; may be grown as annual; sow October to April. Germination period 2 weeks.

**Dwarf Mixed**, 1 foot.

**Tall Mixed**, 2 1/2 feet. Pkt. 15c.

**FOXGLOVE.** See Digitalis.



**FOR BORDER PLANTING USE ANY OF THE FOLLOWING:**

Ageratum	Portulaca
Bachelor Button	Verbena
(Jubilee Gem or Lilac Lady)	Begonia, fibrous rooted
Annual Phlox	Lobelia
Alyssum Violet Queen	Dianthus
Torenia	Petunia



*Gaillardia Double*

## Gaillardia

### GAILLARDIA grandiflora. Per. gay-lar'-di-a. Sun.

Red and yellow, very large daisies, blooming all summer and fall; 3 feet; sow September to April.

**Burgundy**, deep all-red.

**Dazzler**, yellow with maroon center.

**Goblin** (dwarf; 1 foot), yellow, red border.

**Portola Hybrids**, semi-double orange-and-red.

**Tangerine**, unusual new shade; copper-orange. Pkts. 15c and 25c.

### GAILLARDIA, Annual Basket Flower. Sun.

Annual Gaillardia gives you at least six months of bloom. Red, yellow and red-and-yellow large, profuse-blooming daisies; 2 feet; sow January to April. Germination period 2 to 3 weeks.

**Indian Chief**, Bronzy-red.

**Picta**, Single Mixed.

**Lorenziana**, Double Mixed, lovely. Pkt. 15c.

### GAZANIA splendens hybrida grandiflora. Per. Sun.

**African Border Daisy**, ga-zay'-ni-a.

Bronze, red, orange, yellow, cream, and white, showy, long-stemmed daisy-flowers with brown or yellow spots about the centers, on low-foliaged edging or bedding plants; sow September to March for bloom first summer. **New Hybrids Mixed**. Pkt. 15c.

### GERANIUM zonale. Sun.

Brilliant orange, red, salmon, pink and white single flowers in large heads on somewhat tender plant for bedding and pots; sow April to July. Germination period 30 to 40 days.

**Large-flowered Mixed**. Pkt. 50c.

### GERBERA jamesoni, Transvaal Daisy. Per. ger'-ber-a. Sun.

Almost every conceivable shade except blue and purple is found in these long-stemmed, large-flowered African Daisies for beds and bouquets requiring warm, well-drained soil; 2 feet; sow any time. Keep crown above soil surface. Germination period 2 weeks. **New Giant Mixture**. Pkt. 50c

### GEUM. Per. jee'-um.

Scarlet, yellow, and orange, semi-double rose-like flowers, on long stems in spring and summer, for beds and bouquets; 2 feet; sow July to September. Germination period 3 weeks.

**Mrs. Bradshaw**, scarlet-red.

**Lady Stratheden**, bright yellow. Pkts. 15c.

**Prince of Orange**, semi-double orange. Pkt. 15c.

### GILIA. gil'-i-a.

Natives, easily and quickly grown; sow November to May. Germination period 10 days.

**Capitata** (Thimble Flower, 2 feet), with lavender-blue flowers in globular heads on long stems. Oz. 60c; Pkt. 10c.

**Tricolor** (Bird's Eyes, 1 foot), with lilac flowers spotted yellow and purple in center. Oz. 55c; Pkt. 10c.

**Micrantha** (Fairy Stars), with tiny flowers on neat 6-inch plants for ground cover, rockery, or cut, for miniature bouquets, in a mixture of salmon, pink, copper, yellow, and cream. ¼-oz. 35c; Pkt. 10c.

**Liniflora**, Lavender or white, single, flax-like flowers on long stems for cutting; 15 inches. **White Swan**, pure white; **Mixed**. ¼-oz. 45c; Pkt. 10c.

### GLOBE AMARANTH, Gomphrena. Sun.

Purplish-red, pink, white, and orange clover-like everlasting flowers; make showy beds; 1 foot; sow February to May. Germination period 2 weeks. **Purple; Orange; Mixed**. Pkts. 10c.

### GODETIA. go-dee'-she-a.

Pink, rose, red, and white, large satiny flowers for showy beds in sun or partial shade, and bouquets (all the buds open in water); sow November to May. Germination period 2 weeks.

**HALF-DWARF** (1½ feet; flowers in clusters):

**Duke of York**, rich scarlet, edged white.

**Kelvedon Glory**, salmon-apricot.

**Sybil Sherwood**, soft salmon-pink. We offer both single, Pkt. 10c; and double, Pkt. 15c.

**White Swan**, large, pure white.

**Single Varieties Mixed**.

**Double Azalea-flowered Mixed**. ½-oz. \$1.00; ¼-oz. 35c; Pkts. 10c.

**TALL** (2½ feet; double flowers in spikes):

**Carmine Improved**.

**Rosy Morn**, bright pink.

**Campbell's Exquisite Mixture**. ¼-oz. 35c; Pkts. 10c.

### GOURDS

Quick vines or trailers, with grotesque or ornamental fruits; sow March to June. Germination period 2 weeks. Sun.

**Cultural Note**: Sow in open, in warm, sandy soil. Do not water after they begin to bloom, else flowers may drop. For perfect shaped specimens, train vines on fence or trellis. Do not pick fruits until individual stems are brown and fingernail will not dent shell. After picking hang in an airy, dry place to cure. Large, hard-shelled varieties are usually scrubbed and painted; small, colorful varieties wiped free of dust and given a light coating of varnish or shellac.

**Large Sorts Mixed**. Oz. 40c; ½-oz. 25c; Pkts. 10c.

**Warted Varieties Mixed**.

**Small Sorts Mixed**. All varieties, oz. 60c; ½ oz. 35c; Pkt. 15c.

### GYPSOPHILA elegans, Baby's Breath. jip-sof'-ill-a. Sun.

White, pink, or red, dainty flowers in airy clusters for mixing in bouquets; 2 feet; sow any time. Germination period 10 to 14 days. **Grandiflora Alba**, white; **Pink; Crimson**. Pkts. 15c.

### GYPSOPHILA paniculata. Per. Sun.

Double, tinier flowers than the annual, ideal for bouquets and mixing, all summer and fall on large, bushy plants; 3 feet; sow October to May. Germination period 2 weeks.

**Double Snow White; Pacifica**, pale pink, blooms earlier. Pkts. 25c.

### HELIANTHUS angustifolius, Autumn Glory. Per. Sun.

Golden yellow masses of bloom in Fall, from clusters of daisy flowers, with small dark centers; 5 to 7 feet; sow December to March. Pkt. 15c.

### HELIANTHUS, Sunflower. hee-li-an'-thus. Sun.

Yellow, orange, bronze-red, large daisy flowers, showy for backgrounds; sow December to April. Germination period 10 to 14 days.

**Russian** (10 feet), gigantic single, with edible seeds. Oz. 25c; Pkt. 10c.

**Maroon Prince**, large red, 4 feet. Pkt. 10c.

**Miniature** (5 feet), small golden yellow. Oz. 50c; Pkt. 10c.

**Sun Gold**, new. Improved Chrysanthemum-flowered (4 feet), large, fully-double golden flowers. ¼-oz. 25c; Pkt. 10c.



*Godetia, Sybil Sherwood*

**HELICHRYSUM, Strawflower.** hell-i-cry'-sum. Sun.

Yellows, pinks, reds and white, large, very double everlastingings, showy in beds and backgrounds; 3 feet; sow October to May. Germination period 2 weeks.

All Colors Mixed. 1/8-oz. 30c, Pkt. 10c.

**OTHER EVERLASTING FLOWERS**

Sow in Spring	Sow in Fall
Physalis	Lunaria
Gomphrena	Statice
Gypsophila paniculata	Acroclinium
	Catananche
	Helichrysum
	Grasses

**HELIOTROPE.** Per. Sun or shade.

Blue and purple shades, in fragrant clusters, easily grown; 2 to 6 feet; sow February to May for bloom first year. Germination period 3 weeks.

King of the Blacks, deep purple.

Mammoth Mixed. Fkts. 15c.

HERBS. See page 35.

**HEUCHERA, Coral Bells.** Per. hew'-ker-a. Sun or part shade.

Pink, rose, and red, tiny bell-like flowers in clusters, with attractive low foliage, for rockeries and borders in sun or partial shade; 1 1/2 to 2 feet; sow July to March. Sanguinea, coral red. Hybrids, shades from pink to crimson. Large Pkts. 35; Small Pkts. 15c.

HONESTY. See Lunaria.

**HIBISCUS, Mallow Marvels.** Per. hy-bis'-kus. Sun.

Pink, red, white, large flowers, 6 inches across; the true herbaceous Hibiscus, quite hardy anywhere; 4 feet; sow February to May for bloom first season. Germination period 2 to 4 weeks. Mixed. Pkt. 15c.

**Hollyhocks**

**HOLLYHOCK.** Per. Sun.

Pink, salmon, red, and yellow shades, in stately spikes ideal for backgrounds; 5 to 6 feet; sow February to August. Germination period 3 weeks.

Chater's Double, Newport Pink, Rose, Salmon, Crimson, Chamois, Scarlet, Yellow, White, Mixed. Pkts. 15c; 3 for 35c.

Triumph Double Mixed, Pkt. 15c.

Single Mixed. Pkts. 10c.

**ANNUAL HOLLYHOCK**

Indian Spring, rose-pink shades; semi-double. Blooms in 6 months, so may be grown as an annual. Pkt. 15c.

**HUNNEMANNIA fumariaefolia, Mexican Tulip Poppy.** Per. hun-nee-man'-i-a. Sun.

Bright yellow, cup-shaped flowers; 3 inches across on long stems, keeping well when cut; 2 feet; sow November to April. Germination period 2 weeks.

Sunlite, improved type. Pkt. 15c.

HYACINTH BEAN. See Dolichos.

**IBERIS gibraltarica, Perennial Candytuft.** Per. Sun.

Lilac, turning white, small flowers in clusters on spreading, sunny rockery perennial in spring; 8 inches; sow January to May. 1/8-oz. 25c; Pkt. 10c.

IPOMOEA. See Morning Glories.

JOB'S TEARS. See Coix Lachrymae.

JOHNNY-JUMP-UP. See under Viola.

KALE, Ornamental. See Cabbage, Flowering.

**KOCHIA childsii, Summer Cypress.** Koh'-ki-a. Sun.

Bright green feathery foliage, forming compact bushes quickly, that turn fiery red in Fall; 2 to 4 feet; sow January to June. Germination period 10 days. Pkt. 10c.

**LANTANA.** Per. Sun.

Red, pink, lavender, orange, and yellow flowers in verbena-like clusters; bloom the first year from seed and form shrubs; sow January to May:

Dwarf Hybrids, 1 to 2 feet.

Tall, 3 to 5 feet. Pkts. 15c.

**Larkspur**

**LARKSPUR, Annual Delphinium.** Sun or partial shade.

Pink, red, blue, lilac, and white, ideal bedding and cutting flowers; 3 to 5 feet; sow September to March. Germination period 4 to 8 weeks.

**Cultural Note:** Larkspurs are cool weather plants and are best sown in the fall, where they are to remain. In cold climates, November sowing is ideal, since a winter chilling aids good germination in early spring.

**GIANT IMPERIAL**, tall upright type, branching at the base to yield long stems for cutting:

Blue Bell, clear azure blue.

Blue Spire, rich deep blue.

Carmine King, rose-red.

Coral King, new deep coral-pink.

Pink Perfection (new), best pure pink (15c).

Miss California, salmon-pink.

Lilac Spire, deep lavender.

White King, new erect pure white.

Giant Imperial Mixed. Oz. \$1.80; 1/4-oz. 50c; Pkts. 10c (5 for 40c). All separate colors and mixed.

**STOCK-FLOWERED**, 3 to 4 feet; branches along stalks, so stems shorter.

Mixed. Oz. \$1.80; 1/4-oz. 50c; Pkts. 10c.

**SUPER MAJESTIC**, Newest type; usually reaches a height of 5 feet; large blooms on long branches.

Rose-Pink, Lavender, White, Mixed. Pkts. 15c.

**LATHYRUS latifolius, Perennial Sweet Pea.** Per. Vine.

lath'-i-russ. Sun.

Red, pink, and white sweat-pea flowers (not fragrant) in clusters, on vine best as trailer and ground-cover; sow November to May. Germination period 3 weeks.

Pink Beauty; White Pearl; Red; Mixed. Pkts. 10c.



*Gypsophila Elegans, White*



*Hollyhocks, Chater's Double*

**LAVATERA assurgentiflora, California Windbreak. Per. Sun.**

Rose-pink flowers on fast-growing shrub-like perennial; evergreen in mild climates; kills out in severe; 10 feet; sow March to July. Germination period 3 to 5 weeks. ½-oz. 40c; Pkt. 10c.

**LAVATERA splendens, Annual Mallow. la-va-tee'-ra. Sun.**

Rose-pink, large flowers on bushy plant for show and cut; 2½ feet; sow November to March. Germination period 2 to 5 weeks. **Rosea**, best rose. Pkt. 10c.

**LAVENDER, Lavandula vera. Per. La-van'-dew-la. Sun.**

Small lavender flowers, delightfully fragrant; a favorite for drying; 2 feet; sow October to March. Germination period 30 days.

**Munstead Strain**, dwarf (1 foot), deep lavender. Pkt. 15c.

**True English** (2 feet). Pkt. 10c.

**LAYIA elegans, Tidy Tips. lay'-i-a. Sun.**

Yellow daisy, petals edged, with creamy-white, for quick spring show and cutting; one of the finest California natives; 1½ feet; sow October to April. Pkt. 10c.

**LEMON VERBENA, Aloysia citriodora. Per. Sun or part shade.**

Fragrant-leaved hardy shrub; 6 to 10 feet; sow February to May. Pkt. 15c.

**LEPTOSIPHON. See Gilia micrantha and liniflora.**

**LEPTOSYNE maritima, Sea Dahlia. Per. Sun.**

Yellow flowers fine for cutting; native perennial blooming in 90 days; 2 feet; sow September to April. Germination period 2 weeks. Pkt. 10c.

**LEPTOSYNE stillmanni, Wild Coreopsis. Sun.**

Yellow daisy-flowers for cutting, six weeks after sowing; California wildflower; 1½ feet; sow October to April. Germination period 10 days.

**Single**, ¼-oz. 60c; Pkt. 10c.

**Double, Golden Rosette**, large yellow. Pkt. 15c.

## Lilies from Seed

Growing lily bulbs from seed is becoming a popular hobby with amateur gardeners. Really fine bulbs can be raised from seed with a little patience and care. Seeds should be sown in flats of soil prepared by mixing good garden loam with equal parts of sand and leaf mold or peat, covering with ¼-inch of sifted mixture. Press firmly and soak the flat in water after which it is placed in a shady place to await germination. Seed may be sown at any time. The little plants first make root growth and bulbs before showing any impressive top growth. They should be transplanted the second year into larger flats of prepared soil with a little bone meal or to specially prepared beds outdoors. The following year they should be large enough to go into the garden. Species germinating readily are marked with an asterisk (\*) before the name.

**LILIES, True Lilium Species. Per. lil'-i-um.**

Part shade or sun if root area is cool and moist.

**Auratum var. platyphyllum, Gold-Banded Lily**, outspread white petals, each striped with a yellow band and spotted with crimson; fragrant; 4 to 7 feet; blooms August-Sept. Pkt. 25c.

**Candidum, Madonna Lily**. Probably the most popular of all Lilies. 8 to 10 lovely white blooms grow in a stately spire on a strong, straight stem 4 to 6 feet tall. Plant March or April outdoors, February under glass. Germination period 3 to 6 weeks. Flower in June. Pkt. 25c.

**\*Formosanum, Fall Regal Lily**, white trumpets shaded externally with violet; fragrant; 4-6 feet; bloom Sept.-Oct. (first season if sown early). Pkt. 25c.

**\*Henryi, "Orange Speciosum"**, recurved golden yellow petals, spotted brown; one of the hardiest, and best for cutting; 5-8 feet; bloom August-September. Pkt. 25c.

## GROW YOUR OWN EASTER LILIES

**\*Longiflorum Praecox White Queen, Easter Lily**. Since the war Easter Lilies have been scarce. This variety is relatively easy to grow and preferable to the bulbs now on the market. Has large, long, pure white trumpets; an improved form, taller than the type, and fine for cutting and garden shows, as well as Easter forcing; 2 feet; blooms in one year from time of seed sowing. Pkt. 35c.

**\*Regale, Regal Lily**, the most popular lily in America, with large golden-throated white open trumpets tinted pink externally; very fragrant; easily forced in pots or grown outdoors; 4 feet; bloom June-July. Pkt. 25c.

**Shuksan**, the best of the late Dr. David Griffith's hybrids, recurved rich orange, dotted black petals; vigorous and handsome with many flowers in bloom at once; 4-5 feet; bloom July. Pkt. 25c.

**\*Tenuifolium, Siberian Coral Lily**, the most popular dwarf lily for the garden and rockery; 10 to 20 dainty bright scarlet, nodding reflexed flowers to a spike; 18 in.; May-June. Pkt. 15c.

**\*Tenuifolium Golden Gleam**, lovely new bright yellow form of the above. Pkt. 25c.

**Washingtonianum, Mt. Hood Lily**, tubular white flowers, spotted purple in the throat, fragrant; 3-6 feet; bloom June-July. Pkt. 25c.

**\*Willmottiae**, recurved orange-red petals;; grass-like foliage; one of the hardiest and most dependable species; 4-5 feet; bloom July. Pkt. 25c.

**LIMNANTHES douglasi. Meadow Foam. Partial shade.**

White-and-yellow, fragrant flowers, effective in beds or edgings, in moist partial shade; native; 6 inches; sow November to April. Pkt. 10c.

**LINARIA, Toad Flax, Baby Snapdragon. ly-nay'-ri-a. Sun.**

Lavender, purple, pink, chamois, yellow, red, etc., miniature snapdragon-flowers, unusually fine for beds, ground covers, or mixed bouquets. in winter and spring; sow September to February.

## Annual

**MAROCCANA HYBRIDS** (15 inches):

**Hybrid Mixture**. Oz. \$1.75; ¼-oz. 50c; Pkt. 10c.

**DWARF COMPACT TYPE** (8 inches):

**Fairy Bouquet**, new, bushy type, with large flowers in pastel shade ½ oz. \$160; ¼ oz. 50c; Pkt. 10c.

**Fairy Bridesmaid**, new lemon yellow. Pkt. 15c.

**LINUM. Per. ly'-um. Sun.**

Sky-blue or yellow flowers, profusely produced in spring and summer; blooms in 4 months; 2½ feet; sow January to May. Germination period 3 to 4 weeks.

**Flavum**, showy clear yellow.

**Perenne**, light blue.

**Narbonense**, deep azure blue, compact. Pkt. 15c.

**LINUM grandiflorum rubrum, Scarlet Flax. Sun.**

Bright scarlet flowers, on slender graceful plant, in all seasons; particularly useful in winter; 1½ to 2½ feet; sow any month. Germination period two weeks. Oz. 50c; Pkt. 10c.

**LOBELIA erinus compacta. lo-beel'-ia.**

Blue bedding and edging plants; 4 inches; sow January to May. Germination period 10 to 15 days.

**Cambridge Blue**, fine light blue. (Pkt. 15c.)

**Crystal Palace**, dark blue, bronzy foliage.

**Emperor William**, bright-blue, green foliage. Pkts. 10c.

**Trailing Sapphire**, Pkt. 15c.

**LOBELIA cardinalis, Cardinal Flower. Per. Sun or shade.**

Fiery scarlet flowers in erect spikes with bronzy-green foliage; 2 feet; sow January to March. Pkt. 15c.



## PLANT IN FULL SUN

### Sow in Spring

Agrostemma  
Alyssum  
Aster  
Calliopsis  
Carnation  
Centaurea  
Cleome  
Cosmos  
Helianthus  
Marigold  
Zinnia

### Sow in Fall

Antirrhinum  
Arctotis  
Calendula  
Campanula  
Coreopsis  
Delphinium  
Dimorphotheca  
Gaillardia  
Hollyhocks  
Phlox  
Poppies  
Stocks



## SHADE GROWING

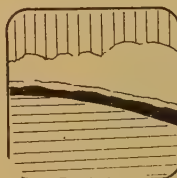
### Sow in Spring

Aquilegia\*  
Begonia  
Cineraria  
Coleus  
Foxglove  
Impatiens  
Heuchera\*  
Primula  
Vinca\*  
Campanula\*

### Sow in Fall

Calceolaria  
Bellis\*  
Collinsia\*  
Myosotis  
Browallia  
Pansy\*  
Cyclamen\*  
Godetia\*  
Linaria\*  
Nemophila\*

\*Denotes those for partial shade.



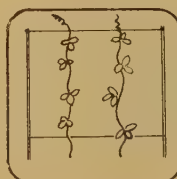
## FOR EDGING

### Sow in Spring

Ageratum  
Begonia  
Dianthus  
Gazania  
Lobelia  
Marigold dwf.  
Petunia  
Zinnia

### Sow in Fall

Alyssum  
Arabis  
Bellis  
Candytuft  
Dusty Miller  
Nemesia  
Pansy  
Virginian Stock



## VINES FOR CLIMBING

### Sow in Spring

Asparagus  
Australian Pea  
Balloon vine  
Canary Bird vine  
Cardinal climber  
Cobaea  
Cypress vine  
Hyacinth Bean  
Gourds

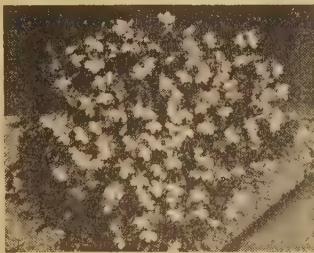
Lathyrus latifolius  
Mile-a-Minute  
Mina lobata  
Moon vine  
Morning Glory  
Thunbergia  
Snail vine  
Scarlet Runner  
Wild Cucumber



**Dwarf Linaria**  
*Fairy Bridesmaid*



*Cypress Vine*



**Dwarf Lobelia, Cambridge Blue.** One of the best for edging. Clear Color, long season of blooms



*"Fire-Bush" Kochia*



*Matricaria Snowball*

**LUNARIA, Honesty, Money Plant.** loon-ar'-ia. Sun.

Round, flat, silvery transparent seed-pods, to dry for winter decoration; 2 feet; sow October to May. Germination period 2 to 3 weeks. Pkt. 10c.

**LUPINUS, Lupine.** lu-pin-us. Sun.

Blue, pink, and white pea-flowers in clusters, for beds and bouquets; native; sow December to April. Germination period 10 days.

**DWARF VARIETIES** (1 foot):

**Nanus**, California native, deep blue. For rock garden.

**Texensis** (Texas Blue Bonnet), clear blue. Oz. 50c; Pkts. 10c.

**TALL VARIETIES** (3 feet):

**Hartwegii Giant King** type, large flowers and spikes in shades of blue, and white. **Deep Blue. Mixed.** Oz. \$1.00; ¼-oz. 30c; Pkt. 15c.

**Russell Lupins.** Long, closely furnished spikes flower in a great variety of rich colors—deep yellows, oranges, reds, and brilliant bi-colors never seen in Lupins before. The florets are large with flat fan-like back-standards, and unlike all other Lupins, most of the spikes retain their florets throughout the whole period of development. Awarded the Royal Horticultural Society's Gold Medal, June, 1937. Pkt. 25c.

**MALLOW MARVELS.** See Hibiscus.

**MARGUERITE, Annual.** See Chrysanthum Nivelli.

**GOOD POT PLANTS**

**Sow in Spring**

Begonia  
Coleus  
Gloxinia  
Lobelia trl.  
Mimulus  
Nierembergia  
Saintpaulia  
Primula

**Sow in Fall**

Browallia  
Campanula per.  
Cineraria  
Cyclamen  
Gesneria  
Pansy  
Primula  
Schizanthus



**FLOWERS SUITED FOR CUTTING**

**Sow in Spring**

Carnation  
Centaurea  
Cosmos  
Dahlia  
Dianthus  
Marigold  
Nicotiana  
Scabiosa  
Sweet Sultan

**Sow in Fall**

Antirrhinum  
Calendula  
Campanula  
Coreopsis  
Gaillardia  
Pansy  
Stock  
Sweet William  
Verbena



**FRAGRANT FLOWERS**

**Sow in Spring**

Carnation  
Dianthus  
Heliotrope  
Nasturtium  
Nicotiana  
Sweet Sultan  
Sweet William

**Sow in Fall**

Alyssum  
Candytuft  
Matthiola  
Mignonette  
Stock  
Sweet Pea  
Wallflower



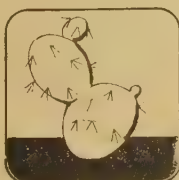
**NEEDING LITTLE WATER**

**Sow in Spring**

Ageratum  
Calliopsis  
Centaurea  
Cosmos  
Dianthus  
Euphorbia  
Four o'Clock  
Helianthus  
Marigold  
Petunia  
Scabiosa  
Tithonia  
Zinnia

**Sow in Fall**

Alyssum  
Arctotis  
Brachycome  
Browallia  
Candytuft  
Dimorphotheca  
Coreopsis  
Gaillardia  
Hollyhock  
Statice  
Verbena



**MATRICARIA, Feverfew.** Per. mat-ri-cay'-ri-a. Sun.

White or yellow, double flowers in clusters for beds, borders, or cutting, all summer and fall; sow December to April. Germination period 10 to 15 days.

**CAPENSIS** (Feverfew), semi-double white; 2 feet.

**EXIMIA**, fully-double type; 1 foot.

**Golden Ball**, golden yellow.

**Snowball**, pure white. Pkts. 10c.

**MATTHIOLA bicornis, Evening-scented Stock.** ma-thy'-o-la. Sun.

Mauve, small, single flowers, valued for their evening fragrance; 2 feet; sow January to July. Try them broadcast in a sunny corner near your outdoor living-room. Pkt. 10c.

**MEXICAN POPPY.** See Hunnemannia.

**MEXICAN ZINNIA.** See Zinnia Haageana.

**MIGNONETTE, Reseda odorata.** re-zee'-da. Sun.

Deliciously fragrant small flowers in spikes; 1 foot; sow any month. Germination period 2 weeks.

**Goliath Red**, large red spikes.

**Sweet Mignonette**, the old-fashioned favorite. Oz. 35c.

**MILE-A-MINUTE VINE, Ipomoea dissecta.** Vine. Sun.

Creamy-white, wine-red-centered, medium-sized flowers open all afternoon on fast-growing vine with lovely lacy foliage; notch seeds or soak overnight; sow April to June. Pkt. 15c.

**MIMULUS.** mim'-you-lus. Partial shade, sun.

**Tigrinus, Monkey Flower;** white, yellow, orange, copper and red, showy spotted flowers for partial shade; 10 inches; sow March to June. Germination period 5 to 10 days. **Queen's Prize Mixed.** Pkts. 15c.

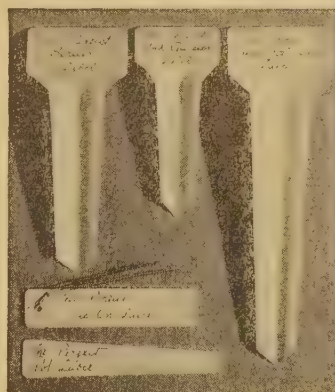
**MINA LOBATA, Flag of Spain.** Vine. Sun.

Red changing to yellow, tubular flowers in clusters on rapid vine, with beautiful lobed leaves; sow February to May; notch seeds, or soak for surer germination (period is 2 weeks). Pkt. 15c.

**MOON VINE, Ipomoea noctiflora.** Per. Vine. Sun.

Pure white, large flowers open at night, on rapid climber; sow February to April; notching the seeds or soaking 24 hours. Germination period 40 to 60 days. **White Moonflower** (grandiflora alba), open at night and early morning. Pkt. 15c.

**Keep Track with "Perfect" PERMANENT LABELS**



Made of heavy green celluloid composition. Takes lead pencil marks perfectly. Weather proof in all soils and seasons.

**Tie-on Label.** 3 1/4 in. x 3/4 in. Doz. 45c, 100, \$3.60.

**Pot Label.** 4 in. x 3/4 in. Doz. 40c; 100, \$3.00.

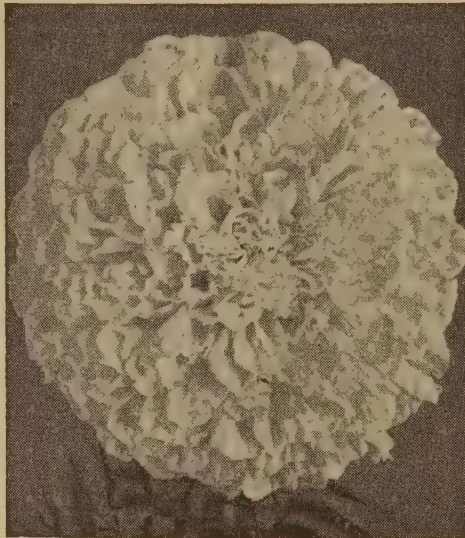
**Border Label.** 5 in. x 2 in. wide. Doz. \$1.25; 25, \$2.40.

**Rock Garden Label.** 4 x 1 1/4 in. Doz. \$1.15; 25, \$2.00.

**Show Garden Label.** 7 x 2 1/8 in. Doz. \$1.50; 25, \$2.90.



Marigold, Mission Giant, Yellowstone



Marigold, Pot o' Gold



Marigold, Sunkist

## Marigold

### MARIGOLD, *Tagetes*. ta-gee'-teez. Sun.

Orange, yellow, brown, striped, spotted; splendid for summer and fall bedding and cutting; sow January to July. Germination period 5 to 10 days.

**Cultural Note:** The African Marigolds are heavy feeders, and thrive in rich soil, well-watered. The French Marigolds are, however, very light feeders, and bloom best, kept on the dry side, in unfertilized soils.

**AFRICAN** (tall double fistulosa; 2½ feet):

**Orange Prince All-Double.**

**Lemon Queen All-double.**

**All-Double Mixed** (above 2 var.): Pkt. 10c.

#### CARNATION TYPE:

**Guinea-Gold**, loose-petalled orange.

**Yellow Supreme**, loose-petalled yellow.

**Gigantea, Sunset Giants**, new giant-flowered type.

**Orange Sunset**, deep orange. **Mixed.**

**Burpee Gold**, improved odorless-foliaged Marigold, bright orange similar to Guinea-Gold. All above ¼-oz. 70c; Pkt. 10c.

**CHRYSANTHEMUM-FLOWERED** (new type, with compact head of small incurved petals):

**Early Sunshine**, bright lemon-yellow.

**Golden Bedder**, early, dwarf, yellow.

**Hybrids Mixed**, all shades of orange and yellow. ⅓-oz. 40c; Pkts. 10c.

**Goldsmith**, soft golden-orange.

**Yellowstone**, a clear, rich yellow counterpart of Goldsmith, 3 to 5 feet tall, with 2½ inch flowers. All America '42. Pkt. 15c.

**FRENCH**, tall sorts, 3 feet:

**Tall Double Harmony Hybrids**, mixed.

**Double Mixed**, all colors.

**FRENCH** (dwarf sorts, 10 inches or less):

**Butterball**, All America Winner in '42. Soft butter yellow, lightly tipped with maroon on the center petals. The 6 to 8 inch mound-like plants are literally covered with 2 inch blooms of unusual yellow. Very early flowering. Butterball produces a blanket of color for many weeks. Pkt. 15c.

**Flash**, '44 All America. New type, large flowered single in glowing shades of tawny gold to mahogany; mound shaped plant; ideal for borders. Pkt. 25c.

**Harmony**, deep orange with maroon collar of broad petals; very even habit.

**Harmony Hybrids**, showy combinations of gold, yellow, and maroon.

**Scarlet Glow**, brightest red of all Dwarf-Double Marigolds.

**Spotlight**, new red, yellow center.

**Sunkist**, rich orange companion to Marigold Butterball, delightful for borders or pots. Its 6-8 inch plants are early and free blooming. Pkt. 15c.

**Yellow Pygmy**, new soft lemon-yellow, very dwarf and compact; splendid summer edging.

**Monarch Strain**, large rich-colored mixture. Pkt. 10c.

Pkts. 10c.

**Spry**, extra dwarf French type; outer petals maroon, surrounding center of crested light orange petals. Pkt. 10c.

**Tagetes signata pumila**, bright yellow, tiny single flowers in great profusion on compact bushes for edgings; 8 inches. Pkt. 10c.

### MORNING GLORIES. Vines. See also Cardinal Climber, Cypress Vine, and Mile-a-Minute Vine. Sun.

Rapid, very showy annual vines; sow March to June, soaking seeds 24 hours. Germination period 10 to 21 days. For best bloom, never fertilize, and water very sparingly.

**CONVOLVULUS SPECIES:** Major Blue; Major Mixed. Oz. 25c; Pkts. 10c.

#### IPOMOEA SPECIES:

**Heavenly Blue**, Clarke's Early-flowering, sky-blue, 4-inch flowers, with yellow throat.

**Pearly Gates**, a satiny white sport of Heavenly Blue, very similar in form and vigor.

**Scarlett O'Hara**, new deep rosy-crimson.

**Cornell**, deep red, strikingly margined with white.

**Rose Marie**, double deep rose flowers, produced early and freely.

All above, Pkts. 15c.

**MOSS ROSE.** See Portulaca.

**MYOSOTIS, Forget-Me-Not.** Treat as Annuals. my-ō-soh'-tis. Shade and moist.

Blue dainty flowers familiar to all, for shady beds and borders, where they can be well watered; 1 foot; sow August to October. Germination period 2 weeks.

**Victoria**, bright blue, yellow-centered, for edging. 8 inches.

**Blue Bird**, deep blue, best winter-flowering variety. Pkts. 15c.

**NEMESIA.** ne-mee'-she-a. Sun.

Orange, yellow, rose, scarlet flowers in clusters; for showy beds and borders in winter and spring; sow October to April. Germination period 20 days.

**Strumosa grandiflora Suttoni**; Large flowered **Blue, Orange, Rose, Scarlet, Mixed**; 1 foot. Pkts. 10c.

**Compacta Blue Gem**, splendid forget-me-not-like bedder, 7 inch. Pkt. 10c.



Ipomoea, Clark's Heavenly Blue



#### **PANSY, ROGGLI GIANTS**

A compact and large flowered strain of Pansy originated in Switzerland and grown from Originator's seed. They are ideal for bedding and now contain a well balanced mixture of light and dark shades. For selection of colors see page 23. Mixed. Pkt. 25c.



#### **TRITOMA**

##### **Red Hot Poker**

One of the most reliable and showiest of perennial plants for the border or accent. Pkt. 15c.



#### **PETUNIA, ALL-DOUBLE ROSE MARIE**

All America Bronze Medal, 1947. A lovely dwarf petunia seldom over 18 inches tall and producing large, 3-inch double flowers in a delightful shade of rose-pink over its broad spread of foliage. Pkt. 50c.



#### **ANTIRRHINUM, VELVET GIANT (Snapdragon)**

All America Bronze Medal, 1947. Tall growing, about 2½ feet high, and branching from the base, producing on the average 6 to 12 spikes of flowers per plant. Flowers large, crimson, with a velvety texture with an undertone of orange-bronze. Fine for display and cutting. Pkt. 35c.



#### **RUSSELL LUPINES**

Still the finest development in garden Lupines since its introduction and recognition by the Royal Horticultural Society in 1937 when it received the coveted Gold Medal. Large florets brightly colored, produced on long closely set spikes. Pkt. 25c.



#### **ASTER CREGO, SHELL PINK**

Crego Asters are wilt resistant and therefore among the best for the home garden. Flowers are large, fine for cutting and graceful in form with their twisted and curled center petals. For selection of seven lovely colors see page 7. Pkt. 10c.



#### **PETUNIA, COLOSSAL SHADES OF ROSE** (Bottom Left)

The largest double Petunia created in America to date. Won the All America Silver Medal in 1946. Pkt. 50c.



#### **DIANTHUS MIXED**

For dry climates the Dianthus is particularly at home. It makes a beautiful and gayly colored border or ground cover in the rose garden, rockery, or in the flower border. Pkt. 10c.



#### VINCA ROSEA

(Top)

**Periwinkle.** For sun or semi-shade. Neat growing plants useful for low hedges or in flower border. Pkt. 10c.



#### GEUM

(Top Left)

Semi-double rose-like flowers on graceful stems. Showy in the border. Mrs. Bradshaw, scarlet, and Lady Stratheden, yellow. Pkt. 10c.

#### ARCTOTIS HYBRIDS

(Left)

For dry sunny places. Blooms freely the first season, making a show of colorful flowers. Pkts. 15c and 35c.

#### MARIGOLD, HARMONY HYBRIDS

(Bottom Right)

Among the showiest of low annuals for the summer garden. Of medium height and free flowering. Double flowers show combinations of gold, yellow and maroon. Pkt. 15c.

#### AGERATUM, MIDGET BLUE

(Bottom Left)

Very dwarf, 3-inch plant for edging. Flowers daintily fluffy. Pkt. 15c.



#### CHINESE LANTERNS

**Physalis.** The Chinese Lantern makes one of the finest specimens for dry winter bouquets. The seed pods are inflated and bright red in color even when dried and last well all winter when dried. Pkt.





#### **AQUILEGIA, LONG-SPURRED HYBRIDS**

Delightful perennial for shady or semi-shaded borders. Will do well in the sun, too. Pkt. 25c.



#### **GERBERA—TRANSVAAL DAISY**

Very popular perennial. Wide range of bright and pastel colors. Long stems for cutting. Pkt. 25c.

#### **BUTTERFLY HYBRID PANSY**

New hybrid pansy in a wide range of pastel colors. Flowers superb with their variety of combinations difficult to describe adequately in this small space



#### **CARNATION Early Perpetual Giants**

Best garden strain, will bloom all summer with flowers of amazing beauty and quality. Pkt. 25c.



**NASTURTIIUM, Tropaeolum.** tro-pee'-o-lum. Sun, part shade. Bright flowers, very easily grown; the dwarf sorts for edgings in sun or partial shade, the tall covering low fences, or trailing as a ground cover, and both furnishing bouquets; sow any time. Germination period 10 to 14 days.

**DOUBLE-FLOWERING GLEAM HYBRIDS** (spreading type):

**Golden**, large, fragrant golden yellow flowers in profusion. **Mahogany**; **Moon**, soft creamy yellow; **Orange**; **Salmon**; **Scarlet**.

**Gleam Hybrids**, cream yellow, orange, scarlet, crimson, yellow spotted red, etc. **Mixed**.

All above, oz. 50c; 1/2-oz. 30c; Pkts. 15c.

**DOUBLE DWARFS** (Gem Type; 10 inches):

**Golden Globe**, new double, rich yellow dwarf.

**Scarlet Gem**, vivid red, green leaves.

**Gem Mixture** (all colors). Oz. 35c; Pkts. 10c.

**SINGLES:**

**Dwarf, mixed** (all colors; 10 inches). Oz. 45c; Pkt. 10c.

**Tall or Trailing, California Giants Mixed**. Oz. 45c; 1/2-oz. 25c; Pkt. 10c.

**NICOTIANA affinis, Sweet-scented Tobacco Plant.**

Nik-ko-she-ain'-a. Sun, light shade.

Sun or partial shade.

White, pink, lavender, and crimson, large, open flowers with long tubes, very fragrant at night; easily grown, quick and continuous-flowering; 2 to 4 feet; sow where to remain. October to June. Germination period 10 days.

**Waxy White**; **Crimson King**; **Pink Shades**; **Hybrids Mixed**, all colors, 1/4-oz. 30c; Pkts. 10c.

**NEMOPHILA insignis, Baby Blue Eyes.** nem-off'-i-la.

Sky-blue or white cups; California native; for beds and bulb-cover in sun or partial shade; 6 inches; sow where to remain, October to May. Germination period 7 to 10 days.

**Maculata**, spotted lavender. **Giant White**. **Clear Blue**. Oz. 35c; 1/2-oz. 20c; Pkts. 10c.

**NEPETA mussini.** Per. nep'-e-ta. Sun or shade.

Small blue flowers; grey foliage, ideal for rockeries and edgings; 1 foot; sow January to April. Germination period 18 days. Pkt. 15c.

**NIEREMBERGIA hippomanica, Dwarf Cup Flower.** Per. Sun.

near-em-berj'-ia.

**Lavender-blue**, open-cup flowers cover the compact, dwarf (5 inch) bushes all spring and summer. One of the best new flowers! Sow January to April for bloom first year. Pkt. 25c. **Purple Robe**, like the pale lavender N. hippomanica, in its compact growth, but its flowers are of deep violet, unfading in the sun. Purple Robe blooms in 15 weeks from sowing, prefers sandy soil and full sun, a splendid bedding and rock garden subject. Pkt. 25c.

**NIGELLA, Miss Jekyll, Love-in-a-Mist.** ny-jell'-a. Sun.

Semi-double, blue flowers, nestling in fine, feathery foliage; 1 1/2 feet; sow February to May. Germination period 2 weeks. Corn-flower blue. Pkt. 15c.

**OENOTHERA lamarckiana, Evening Primrose.** Bien.

ee-noth'-er-a. Sun.

Yellow, large flowers, opening at dusk and fragrant in the evening; easily-grown background plant in sun or semi-shade; 4 feet; sow December to March. Germination period 30 days. 1/2-oz. 20c; Pkt. 10c.



Nicotiana, Affinis



Nasturtium, Glorious Gleam Hybrids

**ORTHOCARPUS purpurascens, Owl's Clover.** Sun.

California native; pink blooms; sow late Fall. Pkt. 10c.

**PAINTED DAISY.** See Chrysanthemum, Annual.

## Pansies

**PANSY.** Sun or part shade.

Reds, purples, blues, yellow, and white; unsurpassed for low beds and edgings; 6 inches; sow July to October for winter, and until March for spring and summer. Germination period 10 to 15 days.

**Steele's Mastodon Jumbo Mixture.** A superb strain of American grown pansies; all giant flowered in the widest known color range. Very fine. 1/16-oz. \$2.00; Pkt. 25c.

**Super Maple Leaf Giants.** Large flowered strain composed of light colors only. 1/16-oz. \$1.50; Pkt. 25c.

**Engelmanns Giants.** Large flowers in all colors but blue and red, never solid as each flower has a lighter tone around the edges of petals. 1/16-oz. \$2.25; Pkt. 25c.

**Roggli Swiss Giants** (Originator's Seed). Large flowers with long stems. Plants are compact and early flowering. Contains both light and dark shades. Mixed colors 1/16-oz. \$2.00; Pkt. 25c.

**Alpenglow**, rich red.

**Berna**, rich purple.

**Jungfrau**, pure white.

**Rheingold**, immense yellow with a dark center. Above Pkts. each color 35c.

**Gold Gelbe**, pure yellow.

**Hohenfuhr**, orange-red.

**Lake of Thun**, deep blue.

**Geneva Giants**, compact growing plants with large flowers in a good color range. First flowers are small but as the blooming season advances flowers increase in size. 1/8-oz. \$1.50; Pkt. 10c.

**Campbell's Argyle Giants.** Splendid bedding mixture, with fine colors and good sized flowers. Oz. \$4.50; 1/4-oz. \$1.25; 1/16-oz. 50c; Pkt. 10c.

**Baby Delight**, lovely little Pansy with flowers smaller than Violas, clear light blue with wavy petals. Dwarf, compact plants. Ideal for late spring planting because plants withstand heat well. Flower in 70 days. Pkt. 25c.

**Steele's Butterfly Hybrids.** This is a new type of Pansy developed from Steele's famous Mastodon Jumbo strain. The Petals of the huge flowers are ruffled, swirled and marked in a fascinating manner. The Butterflies come in pastel combinations of lavender, pink, soft blues, cream, soft yellow, and golden tan. Pkts. 25c.

**PASSION VINE, Passiflora edulis.** Per. Vine. Sun.

Beautiful and interesting waxy blue-and-white flowers on attractive vine, evergreen in mild climates, apt to winter-kill in severe; fruits edible, and much-prized for the strongly-flavored juice; sow March to July. Germination period 30 to 40 days. Pkt. 15c.

**PENSTEMON.** Per. pen'-ste-mon. Sun.

Pink, scarlet, crimson, purple or white tubular flowers with flaring petals, in showy spikes. Plant in beds and borders. Sow August-November for bloom the same season. Germination 17 days.

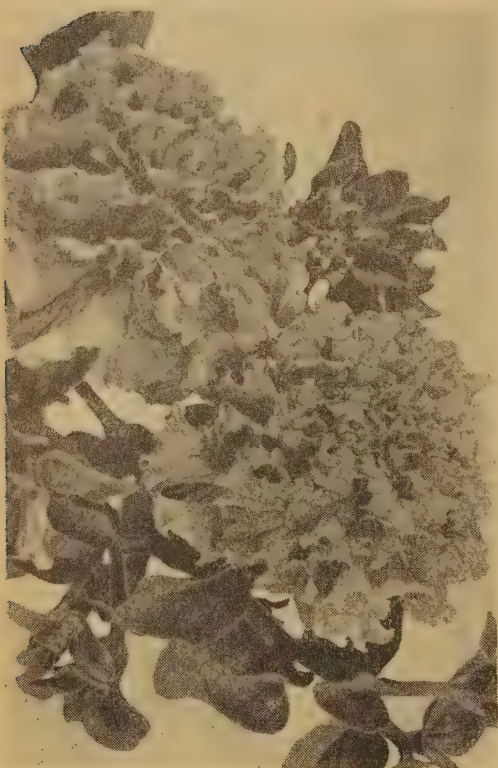
**Heterophyllus Elue Gem.** Rich blue, 1 ft. bedding variety.

**Sensation.** The large flowered type. Good colors, fine for cutting.

**Pink, Red, White or Mixed.** 1/16-oz. 50c; Pkt. 15c.

## GOOD GROUND COVER

Sow in Spring		Sow in Fall	
Anagallis	Portulaca	Alyssum	Linaria
Nasturtium	Verbena	Brachycome	Nemophila
Nolana	Thunbergia	Gilia Fairy	Virg. Stock
		Stars	Wild Flowers



*Petunia, Colossal Shades of Rose*



*Petunia, Giant of California, Supreme Strain*



*Petunia, First Lady*

## Campbell's PETUNIAS

### GIANT FLOWERED PETUNIAS

#### Ruffled and Double

All varieties listed below are exceptionally large flowered, with the distinction of having either beautiful ruffled or fringed petals or extremely double flowers. They are lovely when planted in pots or tubs as specimen plants.

#### Ruffled Petunias:

- Copper Red**, ruffled coppery red with dark throat.
- Dainty Lady**, fringed, palest yellow with deeper throat.
- Fluffy Ruffles Mixed**, ruffled and fringed, delightful colors.
- Glamour**, ruffled, luscious salmon rose.
- Giants of California, Supreme Strain**, Very ruffled, choice formula mixture.
- Lace Veil**, fluffy, fringed white.
- Marilyn**, ruffled, rich salmon; veined throat.
- Theodosia**, fringed, rosy pink, golden throat.
- Ramona**, ruffled pink and rose shades.
- Ruffled Monster Mixed**, huge, with darkly veined throats. Pkt. 25c.

All above varieties, Pkts. 25c each; 5 for \$1.00.

#### Doubles:

- All Double America**, soft pink, carnation-type flowers, charming in pots. Pkt. 50c.
- Colossal Shades of Rose**, Silver Medal A.A.S. '46. Large flowered double rose in waved, ruffled and fringed petaled types. Color shades range from a few light and salmon-pinks to deep pinks and purplish-rose. 18-in. Pkt. 50c.
- Giant Double Fringed**, A choice mixture producing 95% perfectly formed giant flowers including Giant Double Ruffled and Giant Double Fringed forms in a magnificent color range. Very choice. Pkt. 50c.

#### PHACELIA. fa-see'-li-a.

Blue shades; native; sow November to April. Germination period 15 days.

**Blue Plate** (Viscida); 1 foot; with large brilliant blue flowers for bedding. ¼-oz. 45c; Pkt. 10c.

**Campanularia** (California Blue Bell; 6 inches), gentian-blue bell-flowers for edging, flowering quickly. ¼-oz. 35c; Pkt. 10c.

**Tanacetifolia** (Wild Heliotrope; 2 feet), mauve-blue cluster, good for bees. ½-oz. 25c; Pkt. 10c.

**Whitlavia** (Wild Canterbury Bell; 1 foot), dark blue bells in sun, or partly-shaded beds. ¼-oz. 35c; Pkt. 10c.



*A Favorite in Campbell's  
Wild Flower Mixtures.  
Phacelia Whitlavia,  
the Wild Canterbury Bell.*



*Baby Blue Eyes*

#### PETUNIA. Pe-too'-ni-a. Sun.

Pink, rose, red, lavender, blue, purple, and white; unusually floriferous bedding plants, continuing in bloom from spring to winter; sow January to July. Germination period 10 days.  
**Cultural Note:** Mix seed with fine sand and sprinkle over surface of ready-moistened, finely-screened light soil-mixture in seed pans or flats. Cover with glass or damp burlap until seed sprouts; watering unnecessary if soil was properly moistened, although watering from below allowable. Remove cover when first sprouts show.

#### DWARF COMPACT PETUNIAS

A group of petunias ranging in height from the miniatures of 6 inches to others no taller than 12 inches. All are compact, free flowering annuals suitable to edging annual beds and borders or in masses by themselves.

##### Miniature

- Nana compacta, Ruffled**. Flowers attractively ruffled.
- General Washington**, velvety red, blackish throat.
- Martha Washington**, blush pink deepening to dark violet at throat. Pkt. 25c.
- Mixed**. Special mixture of the above varieties. Pkt. 25c.
- Nana erecta**. Dwarf plants averaging 9 to 12 inches in height. Showy flowers.
- Celestial rose**, improved Rose of Heaven. Bright rose.
- Cheerful**, clear salmon pink, 10 inches tall and a spread of 2 feet make it ideal for bedding. Pkt. 25c.
- Cream Star**, warm cream, yellow throat.
- Heavenly Blue**, light silvery blue.
- Rosy Morn**, bright pink with white throat.
- Salmon Supreme**, rich salmon pink. Pkt. 25c.
- Snowball**, pure white.
- Violet Blue**, rich blue purple. Pkt. 15c.
- Mixed**. Dwarf bedding varieties. Full color range. Pkt. 10c.

All unpriced varieties, Pkt. 10c each.

#### MEDIUM SPREADING PETUNIAS

Varieties in this group grow from one to two feet in height and have a tendency to spread out and develop masses of flowering stems. They are very showy when used in masses or as specimens placed among other plants. Long blooming season, keeping their freshness and vigor throughout the flowering period. Require little care and water.

#### Hybrida:

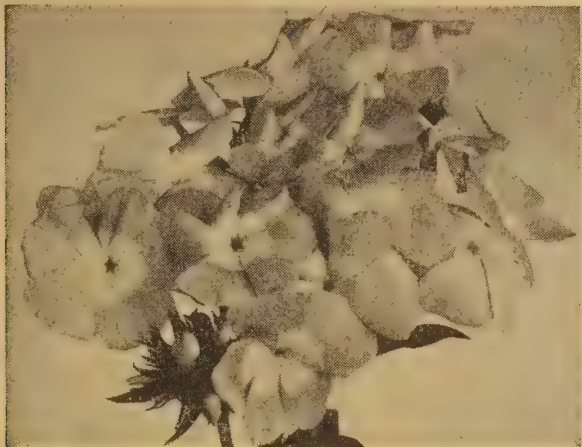
- General Dodds**, velvety blood red. Pkt. 10c.
- Howards Star**, deep purple with pure white star. Pkt. 10c.
- Mars**, large, deepest velvety crimson. Pkt. 20c.
- Violacea**, rich purple. Pkt. 10c.
- Choice Mixed**, large single flowered. Pkt. 25c.
- Formula Mixture**, blended to include every known color in Petunias. Pkts. 10c.

#### Hybrida grandiflora. Pkts. 15c each.

- Burgundy**, wine red.
- Elks' Pride**, popular. Velvety; dark Elks' purple blooms.
- White Cloud**, compact plants covered with pure white blooms.

**Hybrida pendula, Balcony Petunias**. Popular spreading variety used extensively for masses of color in window boxes and in the front margins of borders, or in masses.

- Blue**, dark blue purple. **White**.
- Cornflower Blue**, light blue. **Rose**, rose pink.
- Mixed**. Pkts. each 15c.



*Phlox Salmon Glory*

## Phlox

### PHLOX decussata grandiflora. Per.

Pinks, reds, lavenders, purple and white; showy summer border plant; seeds slow to germinate, taking from 6 weeks to 6 months; 3 feet; sow October to March. **Mixed.** Pkt. 15c.

### PHLOX drummondii grandiflora.

Pinks, reds, lavenders, salmon, yellow, and white; easily-grown, spring, summer and fall bedder; sow January to July. Germination period 10 to 15 days.

#### ONE-FOOT VARIETIES:

**Brilliant Rose.**

**Dark Red.**

**Fiery Scarlet.**

**Flesh Pink,** rose eye.

**Isabellina,** creamy yellow.

**Pure White.**

**Violet,** white eye.

**Mixed,**

**Dwarf Salmon Pink,** 6 inches.

**Dwarf Mixed,** 6 inches tall.

All above. Pkts. 15c.

**GIGANTEA,** extra-large-flowered strain:

**Salmon Glory,** new salmon-pink, with cream eye. Pkt. 15c.

**Red Glory,** rich bright red.

**Rosy Morn,** new bright rose-pink with white eye.

**Art Shades Mixed,** contains the above, and other light shades. Pkts. 20c.

### PHYSALIS franchetti, Chinese Lanterns. Bien. fiss'-a-lis.

Orange-scarlet pods the second year, beautiful dried for winter decoration; 1½ feet; sow January to June. Germination period 3 weeks. Pkt. 25c.

### PHYSOSTEGIA Virginiana. Obedient Plant. Per.

fy-soh-stee'-ji-a. Sun or part shade.

Lavender-pink, tube-shaped flowers in showy spikes on bushy border plant in July and August; 4 feet; sow September to May. Germination period 25 days. Pkt. 15c.

### PLATYCODON grandiflora, Bell Flower. Per. plat-i-koh'-don.

Part shade, sun.

Blue, balloon-like buds opening into large, deep blue bell-shaped flowers for partly shaded borders; 1½ feet; sow August to March. Germination period 12 to 15 days. Pkt. 15c.

### PLATYSTEMON californicus, Cream Cups. plat-i-stee'-mon.

Sun.

Native; creamy-white flowers like miniature double Shirley poppies; sow October to March in full sun, where to remain. ½-oz. 45c; Pkt. 15c.

## Poppies

### POPPY, Papaver sp. pah-pay'-ver. Sun.

Pink, rose, orange, and red shades; quick, showy, large-flowered bedders, which may be cut if the cut ends of the stems are singed; sow November to May. Germination period 10 to 14 days.

**Flanders,** true French Poppy, deep red.

**SHIRLEY** (crinkled petals and hairy foliage; 1½ feet):

**American Legion,** large orange-scarlet.

**Wild-Rose Pink.**

**Single Formula Mixture,** many choice shades.

**Double Camellia-flowered.** Pkts. 10c.

**TALL SORTS** (smooth foliage; 3 feet):

**Double Mixed.**

**Single Mixed.**

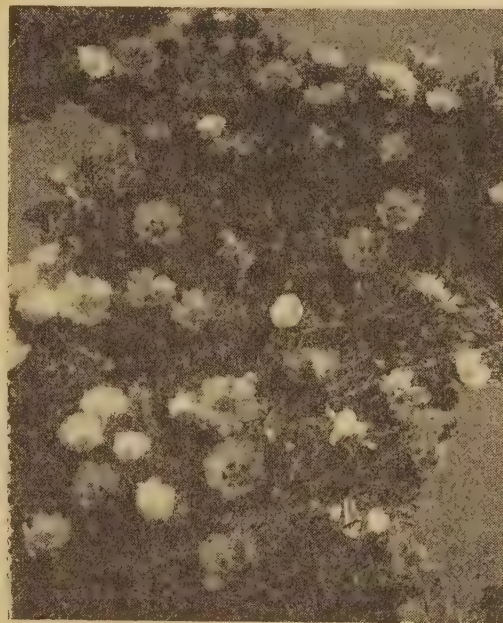
**Double Salmon Pink,** huge pompons. Pkts. 10c.

### POPPY. Per.

Sow August to March. Germination period 10 to 15 days.

**Glaucium** (3 feet), deep, glossy orange, smooth foliage, magnificent specimen plant. Pkt. 10c.

**NUDICAULE (ICELAND);** 1½ feet, with crinkly-petalled flowers on long stems above low leaf-clumps, fine for edgings and bouquets; bloom first year.



*Portulaca, Moss Rose*

**Coonara Pink,** beautiful shades of pink and rose.

**Pastel Tints,** new.

**Sanford's Giants,** oranges, yellows, and white—the best strain in size of flower and color.

**Kelmscott Strain,** the finest and most beautiful color range—many creams, biscuits, pinks and salmons with the white, yellow and orange. Long strong stems. Pkt. 25c.

**Gartref Hybrids,** giant flowers in beautiful shades, picotee-edged.

**Empress,** lovely, large salmon-rose shades.

**Emperor,** giant orange.

**White,** pure white.

**Yellow Wonder,** giant buttercup-yellow. Pkt. 15c.

**ORIENTAL HYBRIDS,** strong foliage and stems, huge flowers:

**Salmon Shades,** huge flowers, 3 feet tall. Pkt. 15c.

**Mixed,** in salmon, rose, orange and red shades (2½ feet). Pkt. 15c.

**Matilija Poppy,** Romneya Coulteri, the native California shrub poppy, very large white flowers with yellow pompon centers. The foliage is an attractive grey green. Pkt. 25c.

### PORTULACA grandiflora, Moss Rose. pohr-tew-lak'-ka. Sun.

Pink, rose, lavender, yellow, orange, and red shades; showy ground cover and bedder standing hot, dry situations; 6 inches; sow February to May. Germination period 2 weeks.

**Single, Rainbow Mixed.** ¼-oz. 45c; Pkts. 10c.

**Double, Reselected Mixed.** ½-oz. 65c; Pkt. 15c.



*Iceland Poppy*



*Primula Polyanthus*

## Primulas

### PRIMULA, Primrose. prim'-you-la. Shade.

Showy flowers for pots and beds in shade.

**Cultural Notes:** Sow seeds on surface of compost half fibrous loam, balance equal parts leaf-mold, decayed cow manure, and sharp sand (if manure is not old, it is better left out), pressed firmly in flat, or 6-inch pot half filled with drainage. Sprinkle seeds thinly with similar soil, and cover with pane of glass. Shade from sun and keep moist from below. May is best month, but sowings may be made successfully any time.

**POLYANTHUS, Per.** English-type; 6 inches. Yellow, orange, brown, red, purple flowers in large clusters. Germination period 60 days.

**Giant Munstead Strain,** mostly yellow shades.

**Giant-flowered Hybrids,** all colors. Pkts. 25c; 5 for \$1.00.

**MALACOIDES, Baby Primrose:**

Feathery clusters of small flowers for winter and spring beds and edging; 1 foot. Germination period 3 weeks.

**Brilliancey,** new rose-red.

**Lavender,** large-flowered.

**Light Lilac,** the earliest-flowering.

**Snow Queen,** pure white.

**True Rose,** deep rose-pink. Pkts. 25c; 5 for \$1.00.

**GIANT-FLOWERED, Malacoides Strain:**

**Cameo.** Semi-double, orchid with center petals lighter and slightly crested, giving cameo effect.

**Double Fairy Jewels,** rich rose-pink.

**Enchantress,** soft salmon-rose.

**First Lady.** Double. Center petals swirled and crested. White with a faint pink flush.

**Lavender Glory,** deep lavender.

**Snow-Flake,** pure white.

**Sweetheart,** the first bi-color primula, bright salmon-pink, white bordered, huge florets on wiry stems.

**Twinkles,** double, a soft flesh pink with picotee pencilings of rose, crested double centers. Pkts. 50c.

**OBCONICA:**

Large flowers, from December to July; 10 inches. Germination period 20 days.

**Apple Blossom,** light rose-pink.

**Berlin Red (Fassbender Strain),** huge deep red.

**Coerulea,** clear blue.

**Lachsrosa,** fine new salmon-rose.

**Rhine Pearl,** salmony-red.

**Salmon Queen,** pure salmon pink.

**White,** large pure white.

**Grandiflora Mixed.** Pkts. 50c.

### PYRETHRUM roseum hybridum. Per. Sun.

Pink, rose, and red, large daisy flowers above feathery foliage for beds and bouquets; 1 to 2 feet. Sow September to May. Germination period 3 weeks.

**Grandiflorum Single Mixed.** Pkts. 25c.

**Double Mixed.** Fkt. 25c.

### QUEEN ANNE'S LACE FLOWER. Sun.

White, tiny flowers in umbels, the whole forming large lacy heads, attractive in the mixed bed, and useful as a cut-flower filler; 2½ feet; sow February to May. Pkt. 10c.

### RANUNCULUS. Per. rah-nun'-cue-lus. Sun.

Beautiful spring flowers in shades of pink, white, red, yellow and rose. Sow from July to November for bloom February to May. Germination period 30-40 days.

**Tecolote Giant Double Hybrids Mixed.** Pkt. 50c; small pkt. 25c.

### ROCKERY PERENNIALS, Mixed. Per. Sun.

A splendid special mixture of 24 hardy, low-growing perennials, unusually interesting to grow, and of course ideal for rock-gardens; 6 to 12 inches; sow October to May. Pkt. 15c.

### ROMNEYA coulteri, Matilija Tree Poppy. Per. rom'-nee-a.

White flowers, 6 inches across, with many yellow stamens; shrubby, handsome plant, with silvery leaves; 5 feet; sow August to March, allowing 3 to 9 months for germination. Pkt. 15c.

### RUDBECKIA, Cone Flower. rud-beck'-i-a. Sun.

**Indian Maid,** Golden yellow, single daisies, with brown cone-shaped centers for borders or cutting, in sun or partial shade; 3 feet; sow August to May. Germination period 8 to 10 days. **Starlight,** primrose yellow to mahogany and bi-colors, semi-double. Pkts. 15c.

### SALPIGLOSSIS, gloxiniaeflora, Painted Glories. sal-pi-glos'-is. Sun.

Rose, red, yellow, purple, and white, large rich velvety flowers mostly veined with gold, for a striking bed or bouquet sow November to May, preferably early as they make their best growth during cool weather. Sow where to remain, or transplant young. Germination period 2 weeks.

**Emperor Mixed,** 3 to 4 feet tall. ¼-oz. 45c; Pkt. 10c.

**SEMI-DWARF** (New sturdy strain; 1½ feet.):

**Blue-and-Silver,** mid-blue veined silver.

**Golden Rose,** rich rose, golden veins and stripes.

**Red Star Chamois,** buff-yellow, broad red stripes, star-like from gold throat.

**Mixed.** Large Pkts. 35c; small, 15c.

### SALVIA, Sage. Per. sal'-vi-a. Sun.

Red or blue flowers in spikes, for summer and fall beds; bloom first year; sow February to May. Germination period 2 weeks.

**Farinacea, Blue Bedder,** mid-blue, wooly stems and bracts; bloom first year; sow February to May. Germination period 2 weeks.

**Harbinger,** compact, vivid scarlet; 1 foot. Pkt. 25c.

**Patens,** pure indigo blue. Pkts. 15c.

**Splendens America,** 2 feet; bright red. Pkt. 10c.

### SANVITALIA procumbens. san-vi-tal'-i-a. Sun.

Orange-yellow, zinnia-like flowers on trailing plant for hot, dry situations; 6 inches; sow January to May. Germination period 10 days. ¼-oz. 50c; Pkt. 10c.

### SAPONARIA vaccaria rosea. sap-o-nair'-i-a. Sun.

Rose flowers in graceful sprays, like a large-flowered Gypsophila; 2 feet; sow February to April. Germination period 10 days. ¼-oz. 25c; Pkt. 10c.



*Primula, First Lady*



*Salpiglossis*



*Schizanthus, Grandiflora Mixed*



*Scabiosa Caucasica*

**SCABIOSA, Pincushion Flower. Sun.**

Blue, pink, white, yellow, scarlet, and crimson, large double flowers on long stems for beds and bouquets; 3 feet. Germination period 2 to 3 weeks.

**Cultural Note:** Annual Scabiosas, although they will bloom in summer, do best in cool spring months. Hence, advisable to sow in early fall in warm sections, and in late winter in cold climates. In So. Calif., plants winter over and give their best flowers early this second spring. Thrive in sun, in any good soil.

**Ageratum Blue**, best lavender-blue.

**Azure Fairy**, sky blue.

**Blue Moon**, new mid-blue, ball-shaped flowers on extra-long stems (15c).

**Heavenly Blue**, new dwarf (18 in.) azure blue (15c).

**King of the Blacks**, maroon red.

**Loveliness**, salmon pink.

**Peace**, white, semi-dwarf.

**Rosette**, deep rose pink (15c).

**Salmon Beauty**, new, light salmon shades (15c).

**Shasta Improved**, giant pure white.

**Giant Hybrids Mixed**, large flowers, rare colors. ¼-oz. 35c; Pkts. 10c.

**CAUCASICA (2 feet). Per.**

**Isaac House Hybrids**, shades of blue, lavender, and white, Pkt. 25c.



*Campbell's Giant Imperial Stocks*

**SCARLET RUNNER BEAN. Vine. Sun.**

Bright red pea-flower on rapid vine with large edible pods; sow February to May. Lb. 75c; ¼-lb. 25c; oz. 10c.

**SCHIZANTHUS, Poor Man's Orchid. sky-zan'-thus.**

Partial shade.

Chamois, rose, lavender, and purple shades, beautifully marked and unusually formed flowers and fern-like foliage for pots or partly shaded beds; 1½ feet; sow November to May. Germination period 2 to 4 weeks.

**Grandiflora Hybrids, Dr. Badger's Improved**, the finest pot strain. Pkt. 25c; 5 for \$1.00.

**Pansy-flowered**, large, full, richly-colored blooms. New. Pkt. 25c; 5 for \$1.00.

**Grandiflora Mixed**, for bedding or spring ground or bulb-cover. Pkt. 15c.

**SHAMROCK.**

**Irish Shamrock**, an interesting pot plant for Saint Patrick's Day. Pkt. 25c.

**Stocks**

**STOCK. Sun.**

Splendid fragrant bedding and cutting plant; sow July to March. Germination period 5 to 10 days.

**Cultural Note:** Stock seedlings should be transplanted early; plants must not suffer a check at any time as permanent stunting may result. Soil should be deep and rich, but well-drained, and never over-watered.

**DWARF TEN-WEEK (15 inches)**, best summer flowering type, and only strain recommended for outdoor growth in East and Middle West.

All Colors Mixed. 1/16-oz. 35c; Pkts. 15c.

**GIANT IMPERIAL, or Bismarck (2½ feet):**

**Antique Copper**, bronzy-red.

**Buttercup**, deep cream.

**Carmine Rose**, rosy-red.

**Chamois Rose**, creamy rose.

**Cream Pink**, ivory tinted pink

**Dark Blue**, purple.

**Elks' Pride**, royal purple.

**Fiery Blood Red**, rich crimson

**Flesh Pink**.

All Colors Mixed. 1/16-oz. 45c; Pkt. 15c. Separate colors, Pkt. 20c; 6 for \$1.00.

\*These varieties are in the California Giants group, an Improved Giant Imperial strain.

**MAMMOTH BEAUTY OF NICE (2 feet):**

**Aurora**, cream-tinted pink.

**Beauty of Nice**, flesh-pink.

**Belle of Naples**, old rose.

Many Shades Mixed. Pkt. 15c.

**FROMPTON (Emperor or Winter; 1½ feet; flower March to May):**

**Empress Elizabeth**, bright deep pink.

**Crimson King**, rich red.

**Violetta**, deep violet-purple.

**White Lady**, pure white. Pkts. 25c; 5 for \$1.00.

**COLONIAL (naturally base-branching; 2½ feet):**

Mixed. Pkts. 15c.

## Sweet Peas

### SWEET PEAS, *Lathyrus odoratus*. Sun.

**Early Flowering Spencer** is the best strain for California and the south, or for greenhouse use anywhere, blooming from December to June if planted in August or September; flowers are very large, wavy, 3 to 4 on long stems; sow August to March. Germination period 10 days.

#### Outstanding Varieties of Recent Introduction. Pkt. 25c.

**Dawn**, deep chamois pink.

**Fortyniner**, glowing orange, frilled.

**Geranium**, salmon cerise.

**Mariner**, clear marine blue.

**Top Sergeant**, deep blood red.

**Cuthbertson Strain, Mixed**, heat-resistant, later blooming

**Leading Popular Varieties.** Oz. 75c; ½-oz. 40c; ¼-oz. 30c; Pkts. 10c.

**Bacchus**, Red-Purple.

**Bridesmaid**, Silver Pink.

**Blue Danube**, Clear Blue.

**Boon**, Coral or Flame-Pink.

**Cinderella**, Light Blue.

**Daphne**, Salmon-and-Cream.

**Gardenia**, Fragrant White.

**Mars**, Rich Blood-Red.

**Memory**, Orchid-Lavender.

**Oriental**, deepest Cream.

**Othello**, deepest Maroon.

**Shirley Temple**, Rose-Pink.

**Top Hat**, Blue-Purple.

**Tops**, bright rose-pink, yielding 5 and 6 giant flowers per stem.

**Vulcan**, Vivid Scarlet.

**Campbell's Special Mixture** of Named Early Spencers contains all the above varieties. Oz. 45c; ½-oz. 25c; ¼-oz. 15c.

**Spring-Flowering Spencers** (new group, commencing to flower about April 1 and continuing into summer from late fall sowings. Have greater vigor and resistance to drought than any other Sweet Peas. An excellent strain for a second or follow-up crop to the winter-and-spring-flowering Early Spencers):

**Mid-Blue; Lavender; Mauve-Lilac; Rose-Pink; Salmon-Rose; and White.** Pkts. 15c; 5 for 60c.

**Late Spencer Mixed** (bloom by May). Oz. 35c; ½-oz. 20c; Pkt. 15c.

**Dwarf Spencer**, for bedding (bushy plants; 1 foot): Pkt. 15c.

**Bo-Peep**, new early salmon pink. Pkt. 15c.



*Early Flowering Spencer Sweet Peas*

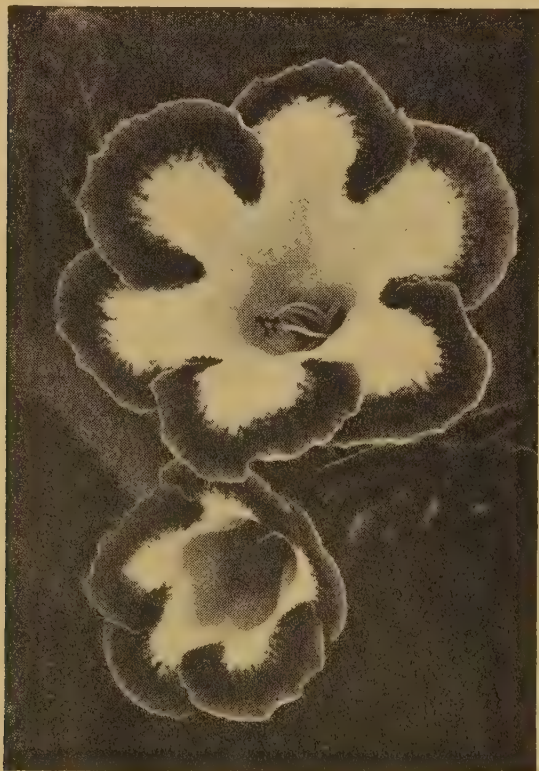
### SHASTA DAISY, *Chrysanthemum maximum*. Per. Sun.

Large white border and cutting flower; sow anytime. Germination period 10 to 14 days.

**Alaska**, largest-flowered; 2½ feet.

**May Queen**, more flowers, somewhat smaller; 2 feet. ¼ oz. 35c; Pkts. 10c.

**Double and Crested Mixed**, new beautiful strain, with large ball-shaped double flowers or single, anemone-centered blooms. Large Pkt. 50c; small 25c.



*Gloxinia*

## Advanced Gardeners . . . .

### Test your skill with these

Known to be difficult to grow and flower from seed, the following plants will well repay your efforts in fine plants for pot culture.

### GLOXINIA *hybrida grandiflora*. Per. Sinningia.

Light to full shade.

Pots, red, pink, blue, and white, huge velvety flowers best in rich in semi-shade; 1 foot; sow under glass anytime. Sowings made January to April will flower the same summer. **Campbell's Giant Mixture.** Pkt. 50c.

### STREPTOCARPUS. Per. strep-toh-karp'-us. Light shade.

Shades of blue, lavender, rose, and white trumpet shaped flowers on handsome pot plants in seven months from seed. sow November to March. **Large-flowered Hybrids Mixed.** Pkt. 50c.

### STRELITZIA. Per. stre-lit'-zia. Sun.

The strikingly beautiful "Bird of Paradise", raises crested, bird-like blooms of rich orange, yellow and gleaming deep blue above thick clumps of large, decorative leaves. The large seeds are slow to germinate, taking from 1 to 6 months. The plants grow 3 to 4 feet tall in large clumps which may be divided to give you many more. Blossoms seldom appear before the fourth year. Seeds are 25c each, 5 for \$1.00.

**SIDALCEA.** Per. sy-dal'-see-a. Sun.

Rose, mauve, and purple, hollyhock-like flowers in slender spikes for sunny borders and cutting; 3 to 4 feet; sow September to May.

**Rose-Queen**, rose-pink.

**New Hybrids Mixed.** 1/16-oz. 35c; Pkts. 15c.

**SNAPDRAGON.** See Antirrhinum.

**STATICE.** stat'-iss. Sun.

Pink, blue, and yellow, small everlasting flowers in clusters; 3 feet; sow any time. Germination period 2 to 3 weeks.

**Bonduelli**, yellow.

**Sinuata Rose, True Blue, Mixed.**

**Suworowii, Russian Rat Tail**, rose. Pkts. 10c.

**STATICE, Sea-Lavender.** Per. Sun.

Straw-like flowers; basal leaves; 2 feet; sow any time.

**Caspia**, sprays of tiny lilac flowers, to mix in bouquets.

**Perezi**, rich deep blue flower clusters, effective in borders. Pkts. 15c.

**STEVIA serrata.** Per. Stee'-vi-a. Sun or light shade.

White, fragrant, small flowers in large heads for beds and mixed bouquets; may be grown as an annual; 2 feet; sow January to May. 1/16 oz. 35c; Pkt. 10c.

**STOKESIA cyanea, Cornflower Aster.** Per. stokes'-ia. Sun.

Rich lavender-blue, large, cornflower-like aster flowers, on stiff stems, for border and bouquets; 1 foot; sow December to April. Germination period 4 weeks. 1/16-oz. 45c; Pkt. 15c.

**SUNFLOWER.** See Helianthus.

**SWEET WILLIAM, Dianthus barbatus.** Per. Sun.

Pink, red, and white flowers, like small pinks, in large clusters for beds and bouquets; 1½ to 2 feet; sow October to May. Germination period 7 days.

**Newport Pink** (Pink Beauty), salmon rose.

**Scarlet Beauty**, bright red.

**Giant White**, new, very large flowers in immense trusses like Per. Phlox.

**Single Mixed**, all colors. ¼-oz. 40c; Pkts. 10c.

**Double Mixed**, all colors. ¼-oz. 50c; Pkt. 15c.

**Annual Sweet William.** Use Sweet Wivelsfield.

**SWEET SULTAN.** See Centaurea imperialis.

**SWEET WIVELSFIELD, Dianthus barbatus x Chinensis.** Sun.

A cross between Sweet William and the annual Chinese Pinks; beautifully-marked flowers in clusters; very early and free-flowering; 1 foot; sow anytime. Germination period 1 week. ¼-oz. 45c; Pkt. 10c.

**TAHOKA DAISY.** Sun.

Large lavender, yellow-eyed daisies on long stems for cutting and show; feathery foliage; 1½ feet; sow February to May. Pkt. 15c.

**TEXAS BLUE BONNET.** See Lupinus texensis.

**THUNBERGIA alata, Black-eyed Susan.** thun-ber'-ji-a. Sun.

Orange, yellow, white, large flowers with black centers on vigorous trailer; sow February to June. Germination period 2 weeks. **Mixed.** Pkt. 10c.

**THUNBERGIA Gibsoni.** Per. Vine. Sun.

Rich orange, large and showy flowers on tender climber or trailer, for greenhouse or sheltered position outdoors; sow, inside, anytime; outside, April to July. Germination period 2 weeks. Pkt. 25c.

**TITHONIA speciosa, Mexican Sunflower.** ti-thoh'-ni-a.

Orange-scarlet, glistening flowers, like large single Dahlias, on rapid-growing, shrub-like annual for backgrounds and cutting; 6 to 9 feet; sow March to June. Germination period 25 days. Bloom Oct.-Nov.

**Fright Orange.**

**Fireball**, new vivid orange-scarlet. 1/16-oz. 60c; Pkts. 15c.

**TORENIA fournieri.** Partial shade.

Rich blue flowers with golden centers, in profusion, for pots or beds; 9 inches; sow February to June. Germination period 2 weeks. Pkt. 15c.

**TRITOMA, Red Hot Poker; Kniphofia.** Per. try-toh'-ma. Sun.

Red, orange and yellow flowers, in large spear-shaped heads; foliage grass-like; 3 feet; sow March to June; early sowings often bloom first season. Germination period 3 weeks.

**Pfitzer's Hybrid Red**, large and brilliant.

**Hybrids Mixed**, all shades. Pkts. 15c.

**VALERIANA, Garden Heliotrope.** va-leer-i-an'-a.

Sun, partial shade.

Rose, red, white, fragrant small flowers in heads, very freely produced; 2½ feet; sow December to April.

**Rose-red, White, Mixed.** ½-oz. 25c; Pkts. 10c.



*Verbena hybrida*

## Verbena

**VERBENA hybrida.** Per. ver-bee'-na. Sun.

Pink, rose, red, lavender, blue, purple, white flowers in clusters, brilliant for bedding, and trailing ground-cover; 1 foot; sow December to August. Germination period 10 to 15 days.

**GIGANTEA** (each floret in cluster usually as large as a quarter):

**Blue**, deep blue, white eye.

**Floradale Beauty**, new, salmon-rose shades.

**Lavender Glory**, large, best lavender.

**Spectrum Red**, intense red.

**White**, pure white.

**Mixed**, including other shades. ½-oz. 45c; Pkts. 15c.

**ERECT, CUTTING VARIETIES:**

**Blue Sentinel**, new velvety blue-violet.

**Royal Bouquet Mixed.** Pkts. 15c.

**ANNUAL VERBENA:**

**Golden Queen**, good yellow; 1 foot; sow November to May. Pkt. 15c.

# ROOTONE

Reg. U. S. Pat. Off.



Geranium Cuttings. Treated and Untreated

**ROOTONE**, the plant hormone powder. Dip cuttings in Rootone before planting to give faster, better, more successful rooting. Mix flower, vegetable or grass seed with Rootone before planting to give faster growth and stronger roots. Easy to use. ¼ oz. packet 25c. 2 oz. jar \$1.00. 1 lb. can \$5.00.



*Tithonia—Showy Red Flowers. See page 29*

**VENIDIUM fastuosum.** ve-nid'-i-um.

Glossy orange daisies with purple-black zone, 4 to 5 inches across, striking in the garden or cut; 2 to 3 feet; sow January to May. Germination period 12 to 25 days. Avoid over-watering.

**Vivid Orange; New Hybrids**, in a mixture of shades from orange through yellows to cream and white. Pkts. 15c. Full sun.

**VERONICA spicata.** Per. Sun to partial shade.

Rich deep blue, tiny tubular flowers in long, pointed spikes for borders; 1½ feet; sow March to August. Pkt. 15c.

**VINCA rosea, Periwinkle.** Per. Sun, to partial shade.

Pink and white, phlox-like, large flowers in sun or semi-shade; foliage dark, glossy green; 1 foot; sown February to April, will bloom same year. Germination period 2 weeks. **Mixed.** ½-oz. 40c; Pkts. 10c.

**VIOLA, Tufted Pansy.** Sun, partial shade.

Flowers, although smaller than pansies, are produced even more freely, and make Violas ideal bedding and border plants for winter and spring; 6 inches; sow July to March. Germination period 10 to 14 days.

**Arkwright Ruby**, new rich red. Pkt. 25c.

**Blue Perfection**, large clear blue.

**Blue Butterfly**, new, dark blue, upper petals pale blue.

**Chantreyland**, improved apricot.

**Firmament**, turquoise blue.

**Lutea Splendens**, bright yellow.

**Papilio**, blue, upper petals white.

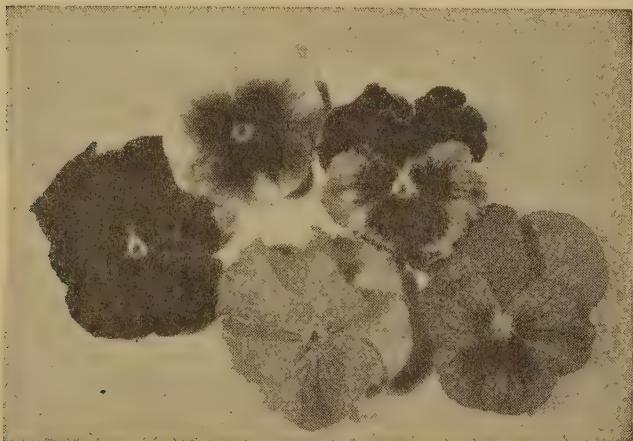
**Primrose Dame**, soft light yellow.

**Violet Papilio**, deep blue.

**White Perfection.**

**Bright Mixed**, all colors. ½-oz. \$1.25; Pkts. 15c.

**Johnny-Jump-Up**, little purple-and-gold pansy-faces. for rockeries and edgings. Pkt. 15c.



*Viola, Tufted Pansies, Come in a Great Variety of Colors*



*Virginian Stocks*

**VIRGINIAN STOCK, Malcolmia.** Sun.

Rose, red, yellow, white, small single flowers cover these low, splendid winter and spring edging, bulb-bed and ground-cover plants; 6 inches; sow October to May. Germination period 12 days. **Mixed.** Oz. \$1.00; ½-oz. 60c; Pkt. 15c.

**VISCARIA oculata.** vis-kair'-i-a. Sun.

Blue, pink, and white, large flax-like flowers, very effective in beds and bouquets; 1 foot; sow October to April. ¼-oz. 35c; Pkts. 10c.

**WALLFLOWER.** Sun.

Rich reds, browns, yellows; fragrant, stock-like flowers, for bedding and cutting; 1 to 2 feet; sow September to March. Germination period 10 to 14 days.

**Single Annual; Blood Red, Paris Brown, Yellow, Mixed.** ½-oz. 30c; Pkts. 10c.

**Double Mixed.** (Early Wonder). 1/16-oz. 30c; Pkt. 15c.

**Single Perennial Mixed.** Pkt. 15c.

**WILD CUCUMBER, Echinocystis lobata.** Vine. Sun, partial shade.

Quick shade vine or ground-cover trailer, with attractive, light green foliage, and curious prickly fruits (a hardy native gourd); sow March to June. Germination period 10 to 20 days. ½-oz. 30c; Pkt. 10c.

## Campbell's California Wild Flower Mixtures

will grow almost anywhere, cover vacant lots and bare corners, and furnish cut-flowers. An ideal souvenir!

**Cultural Note:** Best sown in late fall in all climates, since they will bloom in late winter and spring in a mild region, yet lie dormant and sprout and bloom in early spring in the cold sections of the U. S. They may still be sown, with sure results, as late as April in Southern Calif., and June in the cooler sections. Broadcasting the seed, mixed with sand, over finely-pulverized soil in the open is the best plan. Rake-in very lightly, or merely cover with scattered soil or peat. If in the fall, do not water; if in the spring when natural rainfall cannot be depended upon, keep moist until sprouted, and irrigate thereafter.

**Campbell's Special Mixtures**, in contrast to many cheap mixtures, contains only California natives. The two mixtures are alike (with more than 30 species represented, to give a long and interesting season of bloom), with this exception: There is no California Poppy in mixture No. 2, for those who may have these bright flowers already established.

**Mixture No. 1**, including California Poppies. Lb. \$7.50; ¼-lb. \$2.25; oz. 75c; ½-oz. 50c. Pkt. 10c.

**Mixture No. 2**, all varieties except California Poppy. Lb. \$8.50; ¼-lb. \$3.00; oz. \$1.00; ½-oz. 60c; Pkt. 15c.

**Souvenir Collection** of 10 Dependable California Wild Flowers, in separate 10c packets, our selection, **Special for 75c.**

## Zinnia

**ZINNIA.** zin'-ni-a. Sun.

Our summer specialty. Pinks, reds, yellows, and purples, in vivid shades, unexcelled for summer bedding and cut-flow-ers. Sow February to July. Germination period 5 to 10 days.

**Cultural Note:** Sow Zinnia seed where the plants are to bloom if this is at all possible; otherwise transplant when the seedlings are small. When watering, rather than use the sprinkler, irrigate by the trench method and let the water run slowly for several hours until it has soaked down thor-oughly into the ground through and beyond the roots. You will then have maximum results, yet need to water the plants only once every two weeks if the top soil is properly cultivated a day or so after each irrigation.

**DAHLIA-FLOWERED,** huge, loose-petalled. cup - centered flowers; 2½ to 3 feet:

**Canary Bird,** bright yellow.

**Crimson Monarch,** huge rich red.

**Dream,** deep rosy lavender.

**Eldorado,** salmon-apricot shades.

**Exquisite,** light rose with deeper center.

**Illumination,** deep rose.

**Golden State,** orange-yellow.

**Luminosa,** vivid deep pink.

**Meteor,** the deepest red.

**Oriole,** orange and gold bicolor.

**Polar Bear,** large white.

**Royal Purple,** new, deep rich purple.

**Will Rogers,** improved new scarlet.

**Gold Medal Mixed** (blended from named varieties). Oz. \$1.50;

¼-oz. 45c; Pkts. 15c, 7 for 85c.

**Pastel Shades Mixed.** Prices same as Gold Medal. Mixed.

**CALIFORNIA GIANTS,** Giant Mammoth; huge, close-pet-alled, flat-topped blooms; longer-stemmed than the Dahlia-flowered type; 3 to 3½ feet:

**Apricot Queen,** beautiful salmon-orange.

**Daffodil Improved,** canary yellow.

**Enchantress,** light rose with deeper center.

**Golden Queen,** deep yellow.

**Grenadier,** deep rosy-red.

**Lavender Queen,** rosy lavender.

**Miss Willmott,** soft pink.

**Orange King,** rich deep orange.

**Purity,** pure white.

**Rose Queen,** deep rose.

**Scarlet Queen,** rich bright scarlet

**Named Varieties Mixed,** all colors. Oz. \$1.50; ¼-oz. 45c; Pkts. 15c, 7 for 85c.

**Crown o' Gold,** a new and pleasing Giant Dahlia-flowered Zinnia, with golden yellow overlaid on the base of the petals.

**Super Crown o' Gold Pastel Mixture;** the aristocrat of Zin-nias. ¼-oz. 60c; Pkt. 15c.

**PUMILA ELEGANS,** Cut and Come Again, medium sized flowers with the truest Zinnia colors; 2 feet:

**Canary Yellow; Crimson; Golden Orange; Salmon Rose; Scarlet; Spun Gold,** new cream-yellow; **All Colors Mixed.** Oz. \$1.00; ¼-oz. 30c; Pkts. 10c.

**FANTASY** (new, informal Chrysanthemum-flowered type with slender, daintily-twisted petals):

**Melody,** lavender.

**Orange Lady,** orange.

**Rosalie,** old rose.

**White Light,** pure white.

**Wildfire,** new bright scarlet. Pkt. 15c.

**Mixed** (all Zinnia colors). ¼-oz. 45c; Pkts. 10c.

**HARMONY TYPE** (formerly called Scabious-flowered; crested or mounted center of small petals, surrounded by a row of broad petals):

**Campfire,** vivid scarlet.



*Zinnia, Dahlia Flowered*

**Sunburst,** bright yellow.

**Mixed** (all Zinnia colors). ¼-oz. 35c; Pkts. 15c.

**NAVAJO,** Gaillardia-flowered, new, two-toned, medium-sized flowers. **Mixed.** Pkt. 15c.

**POMPON, Lilliput:** Small, very double flowers, fine for edg-ings and bouquets; 1 to 1½ feet.

**Canary Yellow; Crimson Gem; Golden Gem; Lavender Gem; Salmon Rose; Red Riding Hood,** scarlet; **Valencia,** burnt orange; **White.** Pkt. 10c.

**PASTEL SHADES MIXED,** new, soft colors found in no other Zinnia.

**All Colors Mixed.** Oz. \$1.50; ¼-oz. 35c; Pkts. 10c.

**Black Ruby,** new.

**CUPID,** new, with small, button-like flowers useful for cut-ting, on 1-foot plants. **Mixed.** ¼-oz. 35c; Pkt. 15c.

**TOM THUMB LILLIPUT** (extra dwarf; 5 inches; very com-pact, for edgings and pots). **All Colors Mixed.** Pkt. 15c.

**ZINNIA haageana, Mexican Zinnia.**

Many unusual and attractive combinations of red, bronze, and orange, with yellow, cream, and white, as well as plain colors. make this dwarf Zinnia beautiful for beds; the stems are long enough for cutting; 1 to 2 feet; sow March to July. Germination period 5 to 10 days.

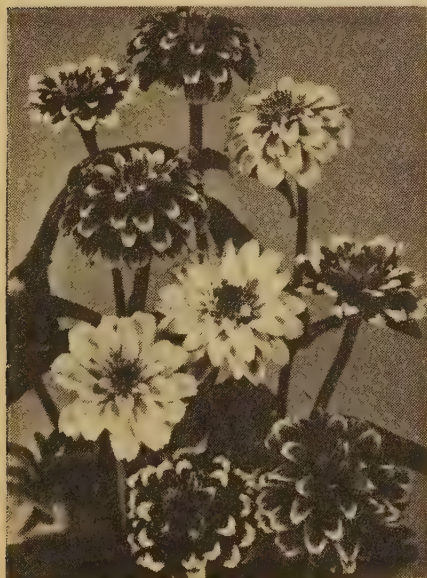
**Hybrid Mixed.** ¼-oz. 35c; Pkt. 10c.

**ZINNIA linearis.**

New species with single, glistening orange-and-gold flowers on slender stems all summer and fall on compact 8-inch plants, ideal for showy summer bedding. Sow March to July.

1/16-oz. 30c; Pkt. 10c.

**ZINNIA, Trailing.** See Sanvitalia.



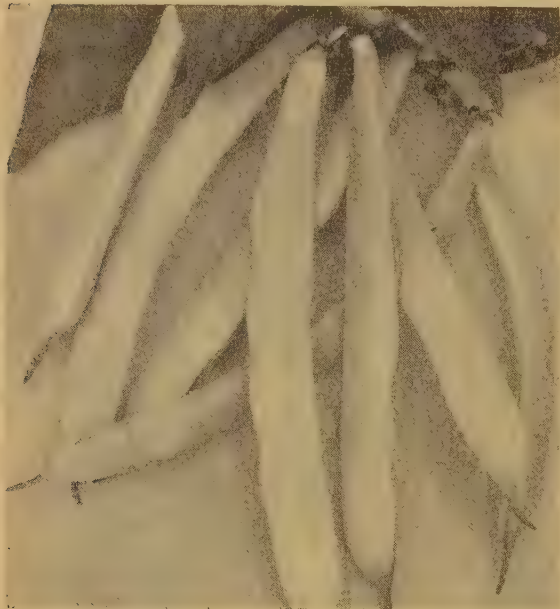
*Zinnia, Haageana*



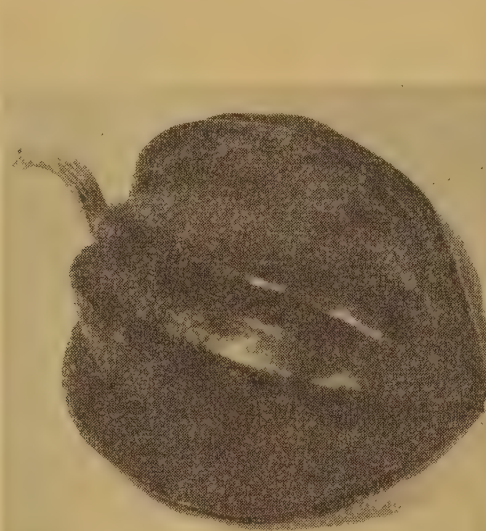
*Zinnia, Crown o' Gold, Pastel Tints*



*Zinnia, Fantasy*



Beans, Bountiful



Squash, Acorn



Lima Bean, Fordhook

## Campbell's Selected Vegetable Seeds for 1947 Gardens

All Vegetable Packets 10c, Except Where Noted. Quantity Prices Quoted on Request.

**ARTICHOKE, Green Globe**—Edible, buds, large, green and broad at base, attractive thistle-like foliage. Sow Sept. to April, 1 inch deep; save least spiny seedlings; set 4 ft. apart. Will bear in 2 or 3 years.

**ASPARAGUS, Mary Washington**—Excellent, rust resistant variety, producing early crops of heavy green shoots. Sow March to May; transplant in Feb.; use 2nd year.

**PARADISE**—A new and superior variety, producing a crop 1 year earlier than most varieties, and yielding more heavily.

**BEANS**—Sow April to July.

**BUSH**—Bountiful, early wax, very prolific, stringless.

**Florida Belle**, delicious, disease-resistant snap bean. All America '44.

**Longgreen**—A.A.S. '46, a tender green snap bean of the stringless green pod type, but with exceptionally long pods for canning.

**Stringless Green Pod**, early, prolific.

**POLE**—Kentucky Wonder, fine flavor, rust resistant.

**Kentucky Wonder White Seeded**, excellent, 10 days earlier.

**Kentucky Wonder Wax**, very prolific, delicious.

**Potomac**, green, tender, round pod, fine quality.

**BEANS, LIMA.**

**Bush**—Fordhook, fine quality, large, plump.

**Henderson's Bush**, Baby Lima, heavy bearer, beans small, delicious.

**POLE, Challenger**, 10 to 15 ft. vines, long pods of splendid quality, beans which stay green.

Pkts. 15c.

**BEETS, Table**—Sow January to December, all year in mild climates. Greens fine vitamin source.

**Detroit Dark Red**. One of the finest beets for home gardens, symmetrical deep blood red.

**Early Egyptian**. For home and market garden, deep crimson, zoned, roots flattened globe-shaped, small fine tops.

**BROCCOLI, Italian Green Sprouting**—Early strain, large compact heads should be cut before flowers appear. Sow Aug. to Jan.

**BRUSSELS SPROUTS, Long Island Improved**—Dwarf plants producing quantities of small cabbage-like heads successively, fine flavor.

**CHINESE CABBAGE—Chihili**, Head 18 inches tall, very firm well blanched, crisp, tender, sweet. Very early and sure heading.

**Wong Bok**, Head 8-10 inches tall, broad, firm, tender, well blanched.

Sow Cabbage July to March.

### PLANT VEGETABLES FOR A CONTINUOUS SUPPLY

It is often desirable and practical to extend the harvest period of certain quick maturing vegetables by making a succession of sowings. Thus, after the first sowing, a second one is made a week or two later and possibly a third or fourth so that as the first crop is harvested and gone the second will be ready to harvest. Most of this planning is guess work without some knowledge of the duration or time a crop is in condition for picking.

The following table is intended only as a guide in planning succession plantings, since exposure and weather conditions and the family needs of a crop make it at best an approximation.

Variety	Harvest Lasts
Beans	4 weeks
Beets	6 weeks
Carrots	8 weeks
Cucumbers	4 weeks
Endive	6 weeks
Kohlrabi	3 weeks
Lettuce	6 weeks
Onions (sets)	4 weeks
Peas	2 weeks
Radish	3 weeks
Spinach	2 weeks
Sweet Corn	10 days
Turnip	2 weeks

Care should be taken to observe the planting seasons in the chart at the left so that sowings are not made "out of season".

## Campbell's Planting Chart for the Home Vegetable Garden

Variety	Seed 100 ft.	In Calif. Sow	Distance Between rows	Between plants	Cover Seed	Days to Ripen
Beans, bush	1 lb.	March-Aug.	2-2½ ft.	3-4 in.	2 in.	45-60
Beans, pole	½ lb.	March-July	3-4 ft.	12 in.	2 in.	50-75
Broccoli	¼ oz.	Aug.-Feb.	2-2½ ft.	16-20 in.	½ in.	100-130
Beets	2 oz.	All year	1½-2 ft.	3-4 in.	¾ in.	58-80
Cabbage	½ oz.	Sept.-May	2-2½ ft.	16-20 in.	½ in.	90-120
Cantaloupe	½ oz.	April-July	4-5 ft.	3-5 ft.	¾ in.	90-120
Carrot	1 oz.	All year	1½-2 ft.	2-3 in.	¼ in.	70-100
Celery	¼ oz.	All year	1½-2 ft.	4-5 in.	½ in.	120-150
Celtnce	¼ oz.	All year	1½-2 ft.	12 in.	¼ in.	60-85
Corn	8 oz.	March-Aug.	30-42 in.	9-12 in.	2 in.	75-100
Cucumber	1 oz.	March-Aug.	4-5 ft.	1½-3 ft.	1 in.	60-90
Eggplant	1 oz.	Jan.-April	3-4 ft.	3-3½ ft.	¼ in.	120
Endive	1 oz.	All year	1½-2 ft.	8-10 in.	½ in.	90
Lettuce	½ oz.	All year	1½-2 ft.	½-1 ft.	½ in.	60-90
Mustard	½ oz.	All year	1½-2 ft.	6-9 in.	½ in.	60
Onion	½ oz.	Aug.-April	1½-2 ft.	3-4 in.	¼ in.	140-180
Parsley	¼ oz.	All year	1-1½ ft.	3-6 in.	¼ in.	90
Peas	1 lb.	Sept.-March	2-3 ft.	1-2 in.	1½ in.	60-120
Pepper	¼ oz.	Jan.-April	2½ ft.	2-2½ ft.	¼ in.	90-120
Radish	1 oz.	All year	1-1½ ft.	1-2 in.	¾ in.	21-36
Spinach	1 oz.	Sept.-March	1-2 ft.	5-6 in.	¾ in.	40-60
Squash, summer	2 oz.	March-Sept.	4-5 ft.	3 ft.	1 in.	60-75
Squash, winter	1 oz.	April-Aug.	6-8 ft.	5-6 ft.	1 in.	90-120
Swiss Chard	1 oz.	All year	1½-2 ft.	1 ft.	¾ in.	90
Tomato	¼ oz.	March-Sept.	3-4 ft.	3-4 ft.	¼ in.	60-90
Turnip	½ oz.	Sept.-March	1-2 ft.	3-7 in.	¼ in.	75-130
Watermelon	½ oz.	April-Aug.	8-10 ft.	8 ft.	1 in.	90-120

**CAULIFLOWER**, **Early Snowball**, Dependable variety with early heads, good quality. Sow August to January. Pkt. 25c.  
**Winter Cauliflower**, Firm-heading Broccoli-Cauliflower type, fine large white heads. Sow in summer. Pkt. 25c.

**CABBAGE**—**Copenhagen Market**, Early, round, solid, sweet, white.  
**Golden Acre**, Second early, solid, round heads.  
**Savoy**, Sweet, curled, dark olive green, late.  
**Danish Ball Head**, Large, flattened globe heads, firm, splendid keeper, late.  
**New Large Red**, Crisp, fine quality, late.

**CARROT**—**Chantenay**, Red-orange, stump-rooted carrot, 5 to 6 inches long.

**DANVEES HALF LONG**, Crisp, tender, bright orange, 6 to 7 inches long.  
**French Forcing**, Earliest, small, red-orange carrot, fine flavor.  
**Imperator**, Popular market and home variety, 8 inches long, stump rooted, cylindrical, deep orange. Sow Carrots any time.

**CELERY**—**Golden Detroit**, Self-blanching, compact, full hearted.

**Utah**, Early, green type, solid, with rich, nutty flavor.

**CELERIAC**—Globular-rooted celery, unusual, delicious.

**CELTUCE**—1942 introduction, combining qualities of both celery and lettuce. Leaves and stalk may be used either cooked or raw. Very hardy, rapid grower. Make succession plantings from April on. Pkt. 15c.

**CHICORY**—**French Endive**, One of most attractive salad vegetables. The blanched leaves have a tangy, mildly acrid flavor; sow Oct. to May.

**CHIVES**—Small perennial of the Onion family, leaves used in flavoring salads, soups, stews. Has attractive pink flowers. Sow Aug.-April.

**COLLARDS**—**Georgia**, Non-heading greens of the Cabbage family, hardy, rich in vitamins. Sow Aug. to March.

**CORN**—Sow March to August; best planted in several rows for better pollination. **Golden Bantam Improved**, sweet, tender, 8 inch ears.

**Golden Cross Bantam**, Best hybrid, disease resistant, fine flavor.

**Black Mexican**, Kernels white at table stage, tender, rich, and sweet.

**Country Gentleman**, Small, deep, sweet kernels, long cob.

**Oregon Evergreen**, Fine, sweet, market variety.

**Pop Corn**, Golden Hulless.

**Field Corns**, Golden Dent, Hickory King, Mexican June.

**CRESS**—**Curled or Pepper Grass**, Quick growing, frilled, pungent leaves for salad or garnish. Sow any time.

**CUCUMBER**—**Chicago Pickling**, Fine for pickling and slicing. **Climbing**, Fine quality, space saver.

**Cubit**, Long, even, cylindrical, All America '43.

**Lemon**, Superior quality for salads and pickling.

**Long Green Improved**, Fine home garden slicing variety, smooth, even.

**Small Gherkin**, True West India pickling strain, very prolific. 1½ to 2 inches long, oval. Sow Cucumbers March to July.

**Syrian**, for the warmer climates, a prolific producer of fine flavor and unusual digestibility eaten raw when young. As it grows older it makes a good cooking vegetable, similar to squash. Pkt. 15c.

**DANDELION**—**Improved Thick Leaved**, Compact, rosette type, superior to uncultivated, blanches readily. Sow Jan. to April.

**EGGPLANT**—**Improved Large Purple**, Strong plants bearing many large, handsome fruits. Sow in hotbed Jan. to April.

**ENDIVE** (See also Chicory)—**Broad Leaved Batavian**, or **Escarolle**, Early, large heads, blanches readily, sow anytime.  
**Green Curled**, Late, medium size, green-ribbed, sow anytime.

**FENNEL**—Bulb at base is eaten sliced raw or cooked, stalks and leaves also have a delicious, aromatic flavor. Sow Aug. to Feb.

**KALE**—**Tall Green Curled Scotch**, Deeply cut leaves, curled at the edges. Vitamin-rich green vegetable. Sow Aug. to April.

**Dwarf Green Curled**, for greens and garnishing.

**Jersey**, Thousand headed, smooth leaves, prolific; for feeding poultry.

**KOHL RABI**—**Early Purple Vienna**, Globular bulbs with white tender flesh; leaves green with purple veins. Sow Aug. to Feb.

**LEEK**—**American Flag**, Early, mild flavor, short thick stems, fine for flavoring salads and soups. Sow Aug. to Dec.

**LETTUCE**—**Heading Varieties:**

**Los Angeles Market** (New York), Large dark green crisp heads, best all-purpose variety; sow anytime in mild climates.

**Imperial D**, Special strain resistant to blight.

**Great Lakes**, All America '44, "slow to go to seed" in hot weather; crisp; Iceberg type.

**Bibb**, New, early forcing variety, medium head, fine flavor.

**Leaf Varieties:**

**Bronze Beauty**, Crisp and sweet, the deeply cut leaves have an attractive bronze sheen, does not go to seed readily in hot weather.

**Early Curled Simpson**, Crisp, tender, broad leaves crumpled and frilled.

**Oak Leaf**, Leaves deeply cut, tender and sweet, grows well in hot weather.

**Prize Head**, Very early, loose-leaf, tender and sweet, outer leaves edged red, inner leaves wholly green, attractive in the salad bowl. Sow all these varieties all year in mild climates.

**MELONS**—**Muskmelons:**

**Cranshaw**, A new melon with a rich, spicy flavor, solid and meaty.

**Hale's Best**, Thick salmon-orange flesh, sweet, aromatic flavor.

**Resistant Strain 45**, Fine quality fruit, mildew resistant.

**Honey Dew**, Very sweet, green flesh.

**Persian**, Flesh thick, bright orange; distinct delightful flavor if thoroughly ripened on the vines.

**Tip Top**, Profitable, popular melon for local markets, flesh salmon-yellow, very juicy, sweet, rich flavor.

**Golden Beauty Casaba**, Requires semi-tropical conditions for best development, large globular fruit, flesh very thick, white, juicy and sweet.

**Watermelons:**

**Chilian**, **Black Seeded**, Rather small, round melon, rind medium green, striped darker, flesh bright deep red, very sweet.

**Klondike**, Large, oblong dark green, flesh red, crisp, fine quality.

**Klondike Striped**, Light green with dark, rattlesnake striping, rind thin, tough, very popular for its crisp sweetness.

**Schling's Midget**, new, very sweet, 6 inches long, 7 or 8 inches in circumference. Just the thing for small families and refrigerators.

**MUSTARD**—**Giant Southern Curled**, Peppery leaves for greens. Sow anytime.

**Mustard Spinach**, **Tendergreen**, Valuable. **Heavily Productive** addition to our list of greens for the garden, nice flavor.

**OKRA** (Gumbo)—Pods used in soups, salads, stews, and relishes. Sow April to July.

**Dwarf Long Green Pod**, Pods tender, 7 to 8 inches long, plants 2½ ft.

**Perkins Mammoth Pod**, Pods fleshy, ribbed, and tapered, plants 4 to 5 ft.

**White Velvet**, 6 to 7 inch pods, white, tender, smooth, plants 3 feet.

**ONION**—**Bunching**, Tender, garden variety of young, green onion.

**Australian Brown**, Best keeper, pleasant, mild flavor.

**Early California**, Large, sweet variety of splendid keeping qualities, excellent for baking and using raw.

**Southport White Globe**, Fine quality, fairly mild onion, clear white.

**Yellow Bermuda**, One of most widely used varieties, early flat onion, light, straw-colored skin, mild white flesh.

**Yellow Sweet Spanish**, Large, mild, amber, fine keeper.

**Long Red Italian**, Sweet, juicy, used raw in salads and sandwiches.

Sow Onions August to April. Pkts. 15c.

**PARSLEY**—**Extra Triple Curled**, Compact, fine for flavoring and garnish.

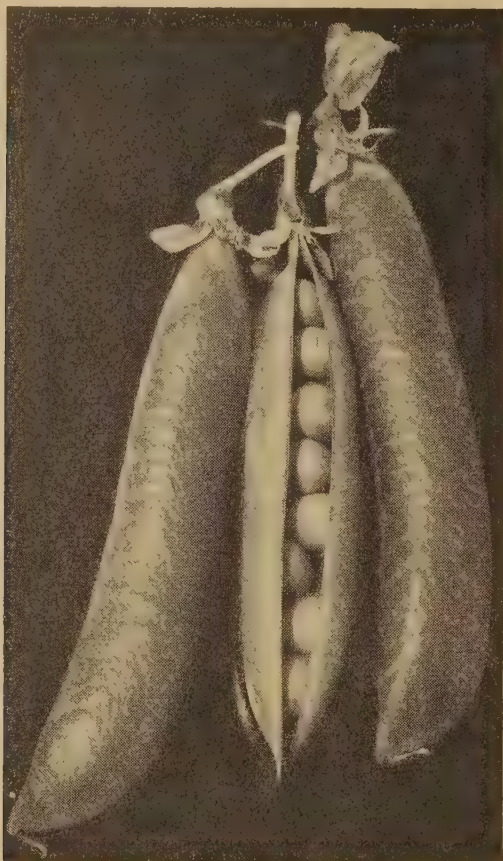
**Hamburg**, Thick parsnip-like roots for flavoring.

**Plain**, Leaves for flavoring.

Sow anytime.



Lettuce, Great Lakes



Peas, Improved Telephone

**PARSNIP**—Hollow Crown, Sweet flavor, needs rich soil and plenty of water. Sow August to March.

**PEAS**—Dwarf; Progress 9, Early, long pods, prolific. Giant Stride, Late variety, vigorous, long full pods. Tall; Alderman (Improved Telephone), Medium early, sweet wrinkled peas.

Melting Sugar or Edible Pod. Cook whole pods when peas are half developed, delicious. Sow Sept. to Feb. Pkts. 15c.

**PEPPER**—California Wonder, Sweet, large fruits, green when young turning bright red, very productive over long season.

Pimiento, Thick, sweet flesh of splendid flavor, heart-shaped, fine for canning; deep green turning deep red.

Anaheim Chili, Mildly hot and pungent, popular for drying and canning.

Floral Gem, Small, hot, for sauces and pickling, green, white, and red. Sow peppers in hot beds Jan. to April.

**PUMPKIN**—Connecticut Field, Very large, for pies, canning, and stock.

New England Pie (Sugar), Earliest and best for pies. Sow March to July.

**RADISH**—Early Scarlet Globe, Small, sweet, crisp.

French Breakfast, Small, olive-shaped, fine flavor, forcing type.

Icicle, Best early white; crisp and mild.

Scarlet Turnip, White Tipped, Handsome rosy carmine, good keeper.

Winter Varieties, Chinese White Winter, Crisp and mild, 8 inches long.

Round Black Spanish, Skin black, flesh white, crisp, pungent, good keeper.

Sow winter varieties July and August, others anytime.

**SPINACH**—Dark Green Prickly Seeded, Best winter variety for garden and canning, large crisp leaves.

Viroflay, Best warm weather sort, enormous yield, large, tender.

New Zealand, Vine type; the small, thick, dark green leaves may be gathered repeatedly without pulling the vines. Sow Sept. to March.

**SQUASH**—Summer:

Early Green Bush Scallop, Popular, small, keeps its light green color longer than other varieties.

Yellow Crookneck, Rich in color and flavor.

Yellow Straightneck, Like Crookneck, but more practical for shipping and paring.

Winter:

Banana, Pinkish orange flesh, sweet, rich flavor.

Hubbard, Best winter keeper, flesh deep yellow, very smooth and fine grain, matures in early fall.

Table Queen, Popular home variety, small, acorn shaped, fine flavored.

Sow in spring and summer.

**SWISS CHARD**—Large Ribbed Dark Green, Leaves for greens, leaf stalk good asparagus substitute.

Lucullus, Very choice "greens", richly colored, fine ribbed. Sow Jan. to Sept., any time in mild climates.

Rhubarb Chard, Looks like small-leaved Rhubarb, delicious cooked, striking in garden and flower arrangements, grows quickly, continues for several months, new. Pkt. 15c.

**TAMPALA**, New "Better Than Spinach" greens. The bushy plants do well in summer and yield tender leaves all season.

**TOBACCO**—White Burley, Pkt. 15c.

**TOMATO**—Earliana, Very superior in earliness and quality, deep scarlet, firm and smooth.

Marglobe Supreme, Fine all-around variety, large, round, smooth fruit, thrifty, productive, disease resistant plants.

Norton Stone, Deep scarlet, large, flat, but smooth, disease resistant, fine flavor, very productive.

Pan America, New government development, superior in quality, firmness, resistance, and productivity, especially adapted to eastern climate.

Pearson Improved, New, scarlet, medium size, smooth, thick skinned; for canning and shipping; vine compact.

Ponderosa (Beefsteak), large, mild flavored deep pink.

Rutgers, One of heaviest croppers, fine quality, medium large, splendid for canning and juice.

Trip-L-Crop Climbing, New, space-saving Tomato, producing quantities of good size, rich red fruit in clusters; vines 10 to 12 ft. tall.

Small Sorts for Salads and Preserving:

Red Cherry, Small, round, deep red.

Yellow Pear, 2 inch, sweet, pear-shaped fruit, long season.

Ground Cherry or Yellow Husk, Yellow-green in husks, rich sweet flavor, prized for preserves and pies.

Sow January to March in hotbeds, outside in April. Pkts. 15c.

**TURNIP**—Purple Top White Globe, Fine table variety.

Seven Top, For greens.

Snowball, Sweet, fine-grained white.

Orange Jelly, Best yellow.

Rutabaga, Yellow, Swedish Turnip, large, mild, sweet.

Sow September to March. Pkts. 10c.

**HERBS**—For flavor, fragrance, and garden-ornament.

Start in flats in the fall; transplant later to open ground.

Anise; with fragrant, pungent seeds.

Basil; for flavoring from seeds and leaves.

Borage; adds zest to salads.

Caraway; for seeds on cakes and candies.

Catnip; or Catmint, leaves for seasoning.

Chives; listed elsewhere.

Coriander; seeds used for flavoring in cakes and candies.

Dill; seeds used as condiment and in pickles.

Fennel; sweet seeds used in confections.

Lavender; flowers fragrant fresh or dried.

Marjoram; leaves and shoots for flavoring.

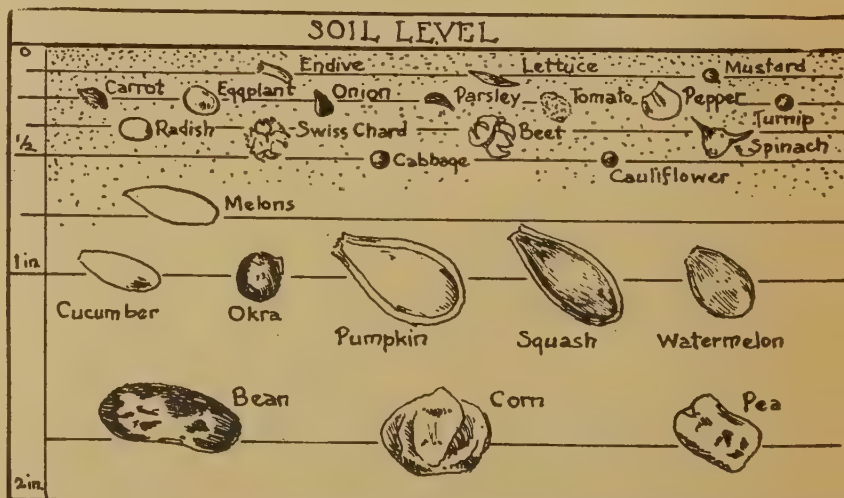
Sage; leaves for seasoning meats and stuffings.

Summer Savory; for seasoning meats and sauces.

Thyme; for meat seasoning and medicines.

Pkts. 10c

## SOW SEED AT THE PROPER DEPTH



The above chart gives the ideal depth of cover for vegetable seed in well drained garden soil. Heavy soils should be lightened by addition of gypsum, peat, manure, bean straw or similar humus material. Don't sow too deep—the smaller the seed the lighter the cover.

# GARDENING AIDS

THE PRICES QUOTED ARE POSTPAID

## PRUNING TOOLS

- Seymour Smith Snapcut Pruning Shears—**  
Ladies' Size, \$1.75.
- Wiss Snapcut Pruning Shears—**  
Heavy Duty Professional Size, \$2.75.
- Corona Draw Cut Pruning Shears—**  
Finest hand forged steel, \$4.25.
- Pruning Saw—**  
Well-tempered steel, \$2.75.
- Seymour Smith Grass Shears—**  
"Ezy-Cut" spring action, \$2.00.

## SPRINKLERS

- The Square Sprinkler—**  
"Gets the corners", \$3.00.
- Spike Sprinkler—**  
For odd corners, 65c.

## ACCESSORIES

- Hand Cultivator—**  
3 hand-forged prongs adjusted by sliding band from 1 to 3 inches, \$1.49.
- Planting Dibble—**  
Brass tipped, smooth curved handle, \$1.60.
- "Self-Set" Gopher Trap—**  
Rustproof, very effective, 88c.
- Hand Sprayer—**  
All metal, 1 quart capacity, 90c.
- Lowell Duster—**  
Compact, all metal, for applying garden dusts to plants, 75c.
- Mist Plant Spray—**  
Rubber bulb type for house plants, 50c.
- Sudbury Soil Test Kit—**  
Home gardeners' size, 20 tests, \$2.15.  
Garden club size, 50 tests, \$5.00.
- Natural Raffia**  
Gardeners' favorite for plant tying, 1 lb., 75c.

## PLANT FOOD

- Plant Chem, for growing with or without soil.**
- |                    |                        |
|--------------------|------------------------|
| Standard formula   | 100 gal. size, \$1.15  |
|                    | 400 gal. size, \$2.50  |
|                    | 1200 gal. size, \$6.00 |
| (For Shade Plants) | 16 gal. size, 35c      |
| Acid Tolerant      | 100 gal. size, \$1.15  |
| Lawn Chem          | 100 gal. size, 75c     |
- Bet-er Grove Specialized Fertilizers**
- Camellia Food, 85c.  
Gardenia Food, 75c.  
Azalea and Rhododendron Food, 85c.  
Rose Food, 75c.

## ORCHID SUPPLIES

- Osmundine Fiber—**  
Ideal for growing Cattleyas, 1 lb., \$1.25.
- Orchid Plant Chem, 65c.**
- Destruxol Orchid Spray—**  
Controls Thrips, Aphids, Mites, Spiders, Orchid Scale, Fungus Gnats, etc., on Orchids, Begonias, Fuchsias, Ferns. 8 oz. \$1.00.
- California Liquid Fertilizer—**  
Orchid Formulae. Pt., 90c.

## PEST CONTROLS

- Destruxol Emulsion Spray—**  
For Scale, Citricola, San Jose, Brown Apricot, Citrophilus, Golden Mealy Bug, Red Spide, Thrips, Aphids, and Hoppers. Pt., \$1.10.
- Destruxol Fungusol Spray—**  
Controls Fungus diseases and insect pests. Pt., \$1.25.
- Weedicide Spray—**  
Hormone control for Broad Leaf Weeds. 8 oz., \$1.20.
- Pyronone D.D.T. and Pyrethrum Spray—**  
For insects, worms, caterpillars, leaf rollers, etc. 4 oz., \$1.15.
- Shell D.D. Soil Fumigant—**  
For wireworms, nematodes, centipedes. 1 pt., \$1.35.
- Vaporite Soil Insecticide and Fumigant—**  
For wireworms, grubs, sowbugs, ants, mealy bug, centipedes. 1 lb., 70c.
- Bugetta Pellets—**  
Kill snails, slugs, cutworms. 2 lbs., 90c.
- Snailx, Non-poisonous—**  
For snails, slugs, etc. 2 1/2 lbs., 90c.
- Corry's Snail and Slug Death—**  
Very effective for snails and slugs; little affected by water. 1 lb., 75c.

# 5 Hayes Products —for Greener Pest-Free Gardens!

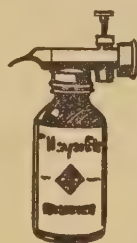
## GARDEN HOSE SPRAY GUNS

### THE Hayes Jr.

#### The All-Purpose Spray Gun

Full 3 GALLON capacity sprayer, yet easily held in one hand. Replaces heavy expensive spraying equipment. Just attach the Hayes Jr. to your garden hose, press the lever and SPRAY! Sprays up, down, sideways. For spraying vegetable and flower gardens, trees, etc., with liquid or powder insecticides.

ONLY \$6<sup>95</sup>



\$3<sup>45</sup> ONLY

### THE Hayes-Ette

#### Ideal Weed Killer Gun (2-4-D)

1 1/2 GALLON sprayer for small gardens, etc. Ideal sprayer to apply the new 2-4-D weed killer solutions. Weighs only a little over a pound filled. Nozzle adjusts to spray up, down, sideways—with all liquid spray materials free from soap.

## GARDEN SPECIALTY ITEMS

### THE Hayes HAN-D

#### Revolutionary Hand Sprayer

1 quart capacity. For home, farm and garden use. Sprays all liquid insecticides and properly strained powders such as Bordeaux, Lime Sulphur and Lead Arsenate. Ideal for applying the new DDT in and around chicken houses, rabbit hutches, and dairy barns.

ONLY \$2<sup>95</sup>



### THE Hayes Sprinkl-Air

#### Amazing New AIR-Water Nozzle!



ONLY 69¢

Mixes AIR into the water flowing through garden hose! Magically changes harsh spray into soft, lacy, beneficial RAIN that falls lightly onto newly seeded lawns and gardens. Protects tender seedlings and tiny plants—won't wash away seeds or earth.

THE IDEAL MATE FOR...

### THE Hayes 10 to 1 Proportioner

The new Liquid Fertilizers give rapid results in greener, more beautiful lawns. Apply them the "easy way"—through the garden hose while sprinkling, with the Hayes 10-1 proportioner.

ONLY \$1<sup>95</sup>



COMB. PKG.—NOZZLE & PROPORTIONER \$2.55

**We Use and Recommend for Seeding, Transplanting, Growing**



# PLANT-CHEM

**A scant spoonful makes a Gallon of Rich Plant Food**

4 safe, odorless, easy to handle, concentrated plant foods with all nutrients, trace elements and growth hormone

<b>PLANT-CHEM</b>	<b>LAWN-CHEM</b>
25c size makes 16 gal.	50c size makes 100 gal.
\$ 1.00 size makes 100 gal.	\$ 1.50 size makes 400 gal.
2.00 size makes 400 gal.	4.00 size makes 1200 gal.
15.00 size makes 5000 gal.	12.00 size makes 5000 gal.

**PLANT-CHEM  
ACID FOOD**

25c size makes 16 gal.  
\$ 1.00 size makes 100 gal.  
2.00 size makes 400 gal.  
15.00 size makes 5000 gal.

**PLANT-CHEM  
ORCHID FOOD**

50c size makes 16 gal.  
\$ 2.00 size makes 100 gal.  
10.00 size makes 1200 gal.  
22.50 size makes 5000 gal.

**POUR IT ON—WATCH 'EM GROW**

*Weatherized*  
**TRELLIS NETTING**



Ideal Support for SWEET PEAS, GARDEN PEAS, POLE BEANS, CUCUMBERS, TOMATOES. Grows finer, larger flowers and vegetables. Hung with ease in 5 minutes; no fuss or bother. Use instead of string or wire. (Wire in sun burns delicate tendrils.) Doesn't rot like string—last several seasons. In 3 sizes: No. 1, 60x72 in., 65c; No. 2, 60x96 in., 85c; No. 3, 60x180 in., \$1.25. Postpaid.

# TRAIN-ETTS

**New Handy Plant Tie**  
*Twist of the Wrist Gives Permanent Support*

Say "goodbye" to unsightly twine and raffia to needless work with shears. **TWIST-EMS**—strong dark-green invisible tapes with wire reinforcing—protect stems, permanently support annuals, perennials, vines, shrubs and vegetables. Grand for flower arrangement. Millions used by successful nurserymen, professional and amateur gardeners. Box of 125, 8-inch size, 35c.



# "TWIST-EMS"

FOR ITEMS ON THIS PAGE NOT POSTPAID, EXCEPT VIGORO, ADD 10% FOR SHIPPING

## 3 GARDEN AIDS TO ASSURE SUCCESS . . .

**VIGORO**, complete plant food, supplies all growing things the vital nourishment they require to attain finest growth and beauty. **VIGORO** is clean, odorless, sanitary, and easy to use. It's most economical, too, you only need 4 lbs. per 100 sq. ft. of lawn area.



100-lb. bag . . . . \$4.00	10-lb. bag . . . . \$ .85
50-lb. bag . . . . 2.50	5-lb. bag . . . . .45
25-lb. bag . . . . 1.50	1-lb. bag . . . . .10

F.O.B. PASADENA, CALIF.

Vigoro Tablets (24 to a package), 10c



**ENDoPEST** gives you three-way control over most garden pests . . . with one, easy-to-use product. No mixing, no muss . . . just a few strokes with the exclusive, cartridge refillable dust gun and you have all the protection most gardens need!

**ENDoWEED**—New, improved selective weed killer! Applied with any type sprayer to the leaves, **ENDoWEED** penetrates entire plant killing roots and all in a week or so. Kills over 50 ugly weeds, yet will not harm ordinary grass nor affect the soil. 8 ounces treat 2000 sq. ft. of lawn area.

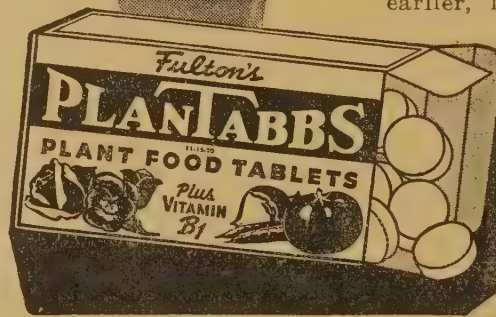


## THIS GORGEOUS INDOOR PLANT WAS GROWN WITH PLANTABBS

You too can have a new fresh beauty in house plants with lovely green, bushy foliage and large finer blooms.

Feed Fulton's Plantabbs to your ferns, geraniums, ivy, cacti, African violets, roses, delphinium, dahlias—in short, to all your indoor plants and garden flowers. Get magic results.

When plants are well out of the ground, begin feeding Plantabbs to all **VEGETABLES**. Repeat regularly to maturity and gather a finer, earlier, larger yield of tomatoes, beans, peas—in fact, everything in your garden.



**FULTON'S PLANTABBS** are odorless, concentrated, high analysis, white **TAB-LETS** providing a complete easy to use, balanced

**PLANT FOOD plus VITAMIN B1.** Easily made into liquid fertilizer if desired.

Box of 10 tablets 10c; 30 tablets 25c; 75 tablets 50c; 200 tablets \$1; 1000 tablets \$3.50

## Campbell's Garden Book Shelf

**AZALEAS AND CAMELLIAS**, by H. H. Hume. The standard text on the growing of these two interesting groups of plants. Although this book was written primarily for Florida conditions it is applicable to all regions where either of these shrubs are grown. All phases of culture are carefully explained — soils, plantings, care, pests and so on. Each \$1.75.

**AMERICAN ORCHID CULTURE**, by E. A. White. An authentic book on orchid culture by Americans for American conditions for both the amateur and professional. Many years of observation, wide travel and actual growing experience and much association with orchid growers here and abroad are back of this work. Color and black and white illustrations. Each \$5.00.

**THE STANDARD CYCLOPEDIA OF HORTICULTURE**, Edited by L. H. Bailey. The universal and invaluable authority on every phase of horticulture. A compact but thorough presentation of the kinds, characteristics, and methods of cultivation of the plants grown in the United States and Canada. New three-volume edition. Being printed. Ask for price.

**THE GARDEN CLUB MANUAL**, by Edith R. Fisher. Practical, tested information on every detail of the organization and management of garden clubs, including model constitutions, program suggestions, complete directions for staging flower shows, civic improvement projects, and junior garden clubs. Illustrated. \$2.25.

**GARDEN FLOWERS IN COLOR**, by D. J. Foley. A guide book for the beginner and a reference for the advanced gardener. Over 350 color illustrations of important garden flowers with identification and brief practical cultural directions. Included are plans for typical gardens and a section of soils, fertilizers with sketches of many garden operations. \$2.49.

**HERBS; THEIR CULTURE AND USES**, by Rosetta E. Clarkson. Practical and authoritative, it gives specific information of all herbs useful in either cooking or medicine, household preparations and industry. There are concise directions for growing, curing and even hints on marketing them. Many excellent recipes are given for culinary herbs. Profusely illustrated. \$2.75.

**GROUNDS FOR LIVING**, by V. W. Ingham and R. B. Farnham. The Average Home Owner's complete guide to landscape, lawns, trees and general gardening. It gets down to earth and does not use technical words when a picture will tell the story better. \$2.50.

**BEGONIAS AND HOW TO GROW THEM**, Bessie R. Buxton, Honorary Vice-President and Director of the American Begonia Society. Includes all phases of culture of all types of Begonias. Discusses in detail more than 200 varieties. \$2.25.

**NEW CROPS FOR THE NEW WORLD**, Edited by Charles Morrow Wilson. Sixteen types of unusual but world important crops, presented by a distinguished specialist in each field. A fascinating book, opening up new possibilities for the Western Hemisphere. \$3.50.

**CAMELLIAS**, by Gerbing. The first all-color Camellia book. The beautiful and authentic illustrations are invaluable correct identification of varieties. An invaluable book for Garden Clubs. \$15.00.

**PROPAGATION OF PLANTS**, by Kains and McQuesten. A complete guide for professional and amateur growers of plants by seeds, layers, grafting and budding, with chapters on nursery and greenhouse management. In direct, simple language it discusses all phases of the subject, explains technical and scientific terms and tells how and why of all processes. \$3.50.

**GARDEN BULBS IN COLOR**, by McFarland, Hatton and Foley. An invaluable aid in the preparation of plans for bulb planting. Contains 250 color illustrations and many half-tones of many varieties of flowers grown from bulbs, corms and tubers. Cultural directions are also included. Formerly \$3.50. NOW \$2.49.

**HOW TO GROW ROSES**, McFarland and Pyle. A practical and beautiful book for amateur and experienced gardener. Lavishly illustrated with color cuts and diagrams, it presents concisely all necessary information about location, soil preparation, fertilization, selection of varieties, pest control, hybridizing and blooming habits. \$2.00.

**GARDENING WITH THE EXPERTS**, by 12 Noted Authorities. Interesting biographical sketches of the contributors convince you that they are qualified to give sound advice on growing Flowers, Herbs, House Plants, Lawns, Trees, Roses. The chapters on Color Combinations, Order of Bloom in Trees and Shrubs, Garden Sanitation and Amateur Flower Shows are unusually helpful. \$2.50.

**GARDEN MAGIC**, by R. E. Biles. This brings Gardening up to date, with new methods and short cuts. Well illustrated and diagrammed, this big, completely indexed volume answers your gardening questions quickly. \$3.00.

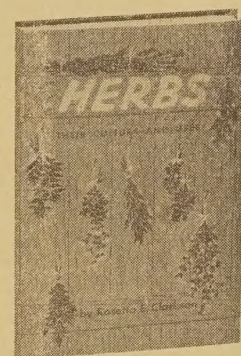
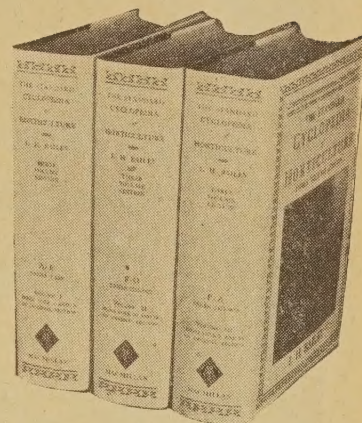
**CHRYSANTHEMUMS — HOW WE GROW THEM OUT OF DOORS**, by Members of the Portland Chrysanthemum Society. They tell you all the things you have wanted to know about propagation, care month by month, disbudding, watering, protection of exhibition blooms, Cascades, potting, and varieties. Well illustrated. \$1.50.

**HOW TO PRUNE FRUIT TREES**, by R. Sanford Martin. Clearly diagrammed, this book tells the how, when, why and where of pruning deciduous, citrus, subtropical fruits and berries. \$1.00.

**HOW TO PRUNE WESTERN SHRUBS**, by R. Sanford Martin. A practical, easily followed manual of pruning shrubs to enhance their beauty and usefulness. Fully diagrammed. \$1.00.

**GLADIOLUS**, by F. F. Rockwell. Covers well and concisely the planting and growing of Gladioli. A handbook that will save time and disappointment. \$1.25.

**SUNSET WESTERN GARDEN BOOK**, compiled by Sunset Magazine Editors. This very usable book deals with the special advantages and problems of the year round gardens of the Pacific Coast. Illustrated and diagrammed. \$2.00.



### PLANTS FOR PARTIAL AND FULL SHADE

#### Sow in Spring

Aquilegia\*  
Begonia  
Cineraria  
Coleus  
Campanula\*  
Foxglove

Impatiens  
Heuchera\*  
Mimulus  
Primula  
Rehmannia\*  
Vinca\*

#### Sow in Fall

Anemone\*  
Clarkia\*  
Bellis\*  
Collinsia\*  
Myosotis  
Browallia

\* Denotes those for Partial Shade.

### VINES FOR MANY PURPOSES

#### Sow in Spring

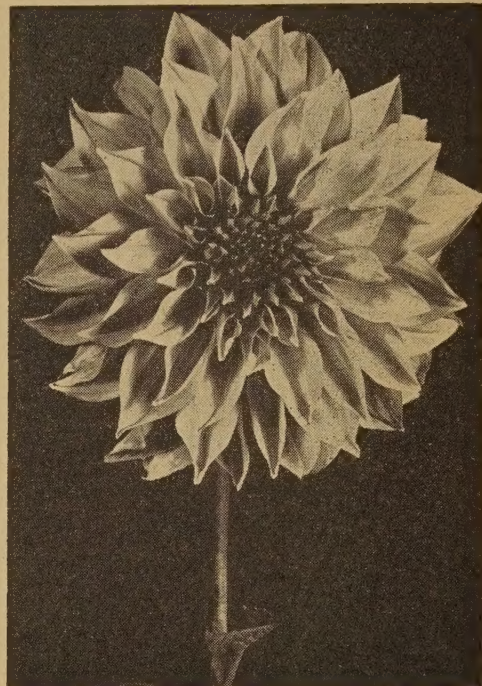
Asparagus plumosus, Australian Pea Vine, Balloon Vine, Balsam Apple and Pear, Canary Bird Vine, Cardinal Climber, Coboea, Cypress Vine, Hyacinth Bean, Gourds, Lathyrus latifolius, Mile-a-Minute, Mina lobata, Moon Vines, Morning Glories, Thunbergia, Snail Vine, Scarlet Runner, Wild Cucumber.



Dahlia, Blue Horizon



Dahlia, Mrs. Hester A. Pape



Dahlia, Ogden Reid

## Campbell's DISTINCTIVE DAHLIAS

BULBS READY FOR DELIVERY FROM FEBRUARY TO MAY

ABBREVIATIONS: I.D., Informal Decorative; F.D., Formal Decorative; S.C., Semi-Cactus.

### RED

**Adolph Mayer.** This excellent Dutch variety has large, deep, garnet-red velvety flowers which are almost black. The plant is strong and freely branching. A good root maker. \$1.00.

**Mrs. Hester A. Pape.** I.D. A large reddish purple with an outstanding show record for the season, winning 3 Achievement Medals, a Certificate of Merit at Fairmount and is on all 3 Honor Rolls. Plants are tall; usual size of blooms 11 to 12 inches, but may be grown to 14 inches. A Dahlia which anyone can grow well. \$10.00.

**Volcano.** F.D. A large, well formed deep flower of orange-flame red. A strong grower with heavy insect resistant foliage. \$1.00.

**Mrs. George LeBoutillier.** I.D. A rich velvety cardinal red; gigantic in size and outstanding in all respects. A healthy grower. 75c.

### ORANGE

**Axford Triumph.** A large Australian variety, with glowing tan blooms on unusually good stems. \$1.50.

**Sherwood's Peach.** I.D. Huge blooms with great depth, carried facing out on cane-like stems. The color is ochreous-buff. Not an early bloomer, but at its best for the shows. \$2.50.

**Col. Little.** I.D. 1946 Introduction. A very showy, brilliant scarlet-orange with curly, twisting deeply notched petals showing a lighter reverse. Blooms 10 to 11 inches across with excellent depth. On both Eastern and Western Honor Rolls. \$10.00.

### WHITE

**Michigan White.** I.D. or S.C. One of the best white cut-flower varieties. The well formed flowers seem to "pop" out over night on long strong stems. Blooms of good substance; medium-size and a good keeper. \$1.00.

**White Champion.** S.C., I.D. The largest white informal. Flowers can be grown over 12 inches and are held facing on strong stems. The heavy foliage of the tall plants is insect resistant. \$1.25.

**Jean Kerr.** F.D. A medium sized white, unsurpassed as a cut flower of the formal type. Useful for exhibition. Free blooming. 50c.

### BICOLORS

**Delmarva.** I.D. A striking scarlet and yellow with good stems and a vigorous plant of medium height. Mid-season bloomer. \$3.00.

**Kentucky Sportsman.** I.D. An unusual bicolor combination of three distinct colors—lemon-yellow center; outer petals amber-yellow tipped white, with old rose reverse. Fairly large flowers of good exhibition quality. \$1.00.

### YELLOW

**Class.** F.D. An excellent variety for exhibition as it remains formal at all stages of maturity. Produces clear sulphur-yellow blooms prolifically on compact plants. \$1.00.

**Kirsten Flagstad.** Outstanding in the garden, producing large fine blooms very early and continuously throughout the season. The color is rich gold suffused lightly with apricot. Plants are tall, with flowers held well above the handsome foliage. \$4.00.

**Jane Cowl.** I.D. The standard of comparison for all Dahlias. Universally grown as a commercial and exhibition flower. Massive deep blooms of buff, gold, and salmon. 50c.

**Avalon.** F.D. Pure gleaming yellow, large flowers on a good plant. 50c.

### PINK

**Crowning Glory.** I.C. A real sensation. Exceedingly large rose pink with cream center, flower formation and stems ideal. Much in evidence as a blue ribbon winner. \$2.00.

**Ogden Reid.** I.D. Our selection for the best contemporary Dahlia. Countless huge blooms of a delightful pink "ashes of roses" blend on the strongest growing plant we have seen. A must for the Dahlia fan. \$5.00.

**Pink Giant.** I.D. Large flowers of clear rose-pink. A great favorite with garden visitors and a very fine show flower. \$1.00.

**Sarret's Pink Flamingo.** S.C. Outstanding with class at shows. Color is Tyrian Pink, center Empire Yellow and tips Roseline Pink. Blooms are well formed and of good substance on excellent stems. A free producer of flowers up to 11 inches across. \$3.50.

**Grace Erlock.** I.D. Large glowing clear pink blooms of graceful form. A favorite cutting variety. 50c.

### LAVENDER

**Blue Horizon.** I.D. The color is described as French Violet. Flowers large, with good depth. A very free bloomer. One of the best '45 Introductions. \$3.50.

**Mary Noble.** I.D. A lovely Dahlia in every way for every purpose. The flowers is an unusual and appealing mauve, very large and compact carried on a good stem. A real champion. \$5.00.

**Mrs. Carl Salbach.** I.D. A large, clear, delicate lavender on good stems. A splendid cut flower and good keeper. 50c.

### PURPLE

**Town Topic.** F.D. A lively purple, white tipped. A nice variety; flowers full and well built and long stemmed. \$1.00

**Sir Launcelot.** I.D. A rich purple shaded garnet. Large flowers on graceful stems. 50c.



### **TUBEROUS ROOTED BEGONIAS**

These are among our most showy flowers. They bloom from early summer to fall in shady places. Plant in pots or shady beds. We have selected tubers of the finest strain in Rose, Red, Yellow, White, Salmon, and Pink. Detailed planting directions with each order. Available from January to April.

#### **Double Camellia Flowered Type**

Most popular, striking flowers 5 to 8 inches across. Jumbo tubers, 45c; large size, 35c each.

#### **Frilled Type**

Exquisite, large flowers, beautifully frilled and ruffled at the edges. Large tubers, 35c each.

#### **Hanging Basket Type**

Gorgeous masses of hanging bloom, charming for the decoration of porches and sun rooms. Large tubers, 35c each.

For Tuberous Begonia Seed, turn to page 7.



### **DAHLIA, JANE COWL**

See page 38



### **LILIUM HENRYI**

This is just one of the lovely garden lilies that can be grown from seed. For a complete list of these garden beauties see page 16.

### **AMARYLLIS, RICE'S HYBRIDS**

(Left)

One of the finest bulbs for pots in colder climates or in the open ground in California, slow growing and long lived they are one of the choicest to grow. Pkt. \$1.00.



# CAMPBELL SEED STORE

*Dependable Seeds*

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PASADENA, 1, CALIFORNIA

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Washington 25, D.C.

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**PAID**

Pasadena, California  
Permit No. 341

POSTMASTER: Return postage guaranteed.

## *California Giant* **ZINNIAS**

*Showiest Annual  
for Summer  
Flowers*

Delightful range of brilliantly colored very large flowers. Zinnias are easy to grow in any sunny garden in average good soil.

**Enchantress.** Two-toned pink.

**Purple Prince.** Clear deep color.

**Orange King.** Brilliant orange.

**Golden Queen.** Rich, deep yellow.

**Scarlet Queen.** Vivid scarlet.

Pkts. 15c each

**Collection Offer:** One packet each of the five varieties illustrated.

Postpaid 60c

